

PERIMETER MONITORING FIELD FORMS

PRECONSTRUCTION GRAB SAMPLE QUALITATIVE CHARACTERISTICS FORMS

DECEMBER 2013

SD-PER101-1213

QUAL	ITATIVE SAI	MPLE CHARA	CTERISTICS		Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Ider	
3		15-13-13	Boeing PL2	SD-PER \0\	RI
Coordin	nates		Water Depth		Time
North		East		it Rep Gear	
199741	127145			t 0.2 Grab	755
Penetration Depth Unit Initials O Weat // c m T O O O	1	Surficial W Contact Po	ood Estimate: ints	X 5 =	%
Surficial sediment characteristics:					
Biological:%	Debris:/ R	219Ct %	Oil Sheen:	None Trace (<5%	%)%
Moisture Very Wel Wet Moist	Damp	Dry			
Color Light Medium Dark			or & underline mo Brown Blac		
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline mo	odifying) Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	J Silt	Clay	
Subsurface sediment characteristics:					
Density / Consistency			7	÷	
Sand / Gravel - Very Loose	Loose	Medium De	ense Dense	Very Dens	e
Silt / Clay - Very Soft	Soft) Medium Sti	ff Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			jor & underline mo Brown Bla		
Major Constituent Fine Medium Coan	se	(Circle ma Gravel Sand	jor & underline mo d Silt	Clay	
Minor Constituent with trace Fine Medium Coar	se	Gravel San	d Silt	Clay	
Biological:%	Debris:	RACE %	Oil Sheen:	None Trace (<5°	%)%
Comments:	ا دې که ا	RI			
leaves, twig 7, 5he	115		MEC Proj. BP2 SD-PER101-12		
Worms		(QSC Form nitials: 67 Date: 12/13		55
		- 15			Amin\rieid Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTE	RISTIC	S		F	Page of
Coordinate Datum		Date (mm/dd/yy)	Pr	roject Loc	ation		Sample Identi Numbe	
		15-13-13	Boeir	ng PL2		SD	-PER 191	115
Coordir	nates			Water De	pth			Time
North		East		1925 1930 1930 1930	Unit	Rep	Gear	
199745	127 14	49	\perp	19.7	f t	5	0.2 Grab	P08
Penetration Depth Unit Initials O Weat (1) c m (3) S S S S S S S S S S S S S S S S S S S		Surficial Wo		stimate:			X 5 =	%
Surficial sediment characteristics:								
Biological:%	Debris:	RACE %	Oil S	Sheen:	No	ne	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry						
Color Light Medium Dark	v	(Circle majo Olive Gray	Brow		mod i Black	ifying)	Other	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand		nderline Silt	modi)	i fying) Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand		Silt		Clay	=	
Subsurface sediment characteristics:		200000000000000000000000000000000000000			******	****		
Density / Consistency								
Sand / Gravel - Very Loose	Loose	Medium De	nse	Dei	nse		Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stit	5	Stif	f		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry						
Color Light Medium Dark		Olive Gray	or & u Brov		mod Black		Other	
Major Constituent Fine Medium Coar	se	(Circle maj Gravel Sand		Silt	mod	l ifying Clay		
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	i	Silt		Clay		-
Biological: Trace %	Debris:	race %	Oil	Sheen:	N	one	Trace (<5%)%
Comments: - twig S 1 g 1 e 5 5								
Wayne 2							A	
					-		12-24	
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QUA	LITATIVE SA	MPLE CHAR	ACTERI	STICS		Р	age of
Coordinate Datum		Date (mm/dd/yy)	Proje	ect Location		Sample Identii Numbei	
		15-13-13	Boeing			PER 101	R3
Coord	dinates		Wa	ater Depth	n		Time
North		East			it Rep	Gear	
199742	12714	50	56) f	t 3	0.2 Grab	825
10 cm 33 dow	ather secience (%)	Surficial Contact I	Wood Esti Points	mate:		X5 =	%
Surficial sediment characteristics: Biological:%	Debris:	PACT_%	Oil She	en: (None	Trace (<5%)	%
Moisture Very Wet Wet Moi	st Damp	Dry					
Color Light Medium Dar	k	Olive Gray	Brown) Bla	ck	Other	937 <u>11. 90</u> 0
Major Constituent Fine Medium Coa	arse		najor & unc	Silt mo	o difying) Clay		
	arse	Gravel Sa	and	Silt	Clay	4	
Subsurface sediment characteristics:							
Density / Consistency						3600 PEFS	
Sand / Gravel - Very Loos	e Loose	Medium	Dense	Dense		Very Dense	
Silt / Clay - Very Soft	Soft	Medium	Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Mo	ist Damp	Dry					
Color Light Medium Da	rk	Olive Gray	najor & une Brown	derline m Bla	odifying ack	Other	
Major Constituent Fine Medium Co	arse	22 M	najor & un	derline m Silt	odifying Clay		
Minor Constituent with trace Fine Medium Co	arse	Gravel S	and	Silt	Clay		
Biological:	Debris:	vare %		ieen: (None	Trace (<5%)
Comments: leaver 18/2117 Warres							
8							
					1000 - EPCN		
A 12 12 12 12 12 12 12 12 12 12 12 12 12							

SD-PER102-1213

QUAL	ITATIVE SAMP	LE CHARACT	ERISTICS	Pag	je of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identific Number 1	
	12	-17-13 Bo	eing PL2	D-PER 102	
Coordii	nates		Water Depth		Time
North	Eas	st	Depth Unit Rep		
199660	1271 40	1	27.4 ft 1	0.2 Grab	1505
Penetration Depth Unit Initials O Weat Surficial sediment characteristics:		Surficial Wood Contact Points		X 5 =	%
Biological:%	Debris: 5	% Oi	I Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	Oliv	(Circle major &	underline modifying rown Black	Other	
Major Constituent Fine Medium Coar	se Gra	(Circle major & ivel Sand	Silt Clay		
Minor Constituent with trace Fine Medium Coar	se Gra	avel Sand	Silt Clay	y	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dense	Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Mois	Damp	Dry			
Color Light Medium Dark	Oli	(Circle major ove Gray B	& underline modifyin rown Black	g) Other	
Major Constituent Fine Medium Coar	se Gr.	(Circle major avel Sand	& underline modifyin Silt Cla		
Minor Constituent with trace Fine Medium Coal	se Gr	avel Sand	Silt Cla	у	
Biological:%	Debris: Tra		il Sheen: None) Trace (<5%)	%
Biological Worms Daban: woody. 16	dues, she	AMEC FOR SD-PER QSC For Initials: Date: 13	632		
	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		/\/2013 Tim	e: \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	
					Amın\Field Forms\QSC

QUAL	ITATIVE SAMPLE	CHARACTE	RISTICS	P	age of
Coordinate Datum		Date I/dd/yy) F	Project Location	Sample Identif Number	ication 102R2
	12-1		ing PL2		R3
Coordin	ates		Water Depth		Time
North	East	2.02	Depth Unit Re	ep Gear	
199656	1271402		27.5 ft	Q.2 Grab	1213
Penetration Depth Unit Initials S S Weat	ner ü %	urficial Wood I ontact Points	Estimate: 	_ X5 = .	%
Surficial sediment characteristics:				7	
Biological: Trace %	Debris: Trac	<u>€</u> % Oil	Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist					
Color Light Medium Dark	Olive (Gray Bro	underline modify Win Black	ing) Other	
Major Constituent Fine Medium Coars	1.0	Circle major & Sand	underline modify Silt C	ing) lay	No.
Minor-Constituent with trace Fine Medium Coars	ee Gravel	Sand	Silt C	llay	
Subsurface sediment characteristics: Density / Consistency	Lance	Medium Dense	Dense	Very Dense	
Sand / Gravel - Very Loose	and the second second				Hand
Silt / Clay - Very Soft Moisture	(Soft)	Medium Stiff	Stiff	Very Stiff	Hard
Very Wet Web Mois	Damp Dry				
Color Light Medium Dark	Olive	(Circle major & Gray Br	underline modify own Black	other	
Major Constituent Fine Medium Coar			underline modify	ying) Clay	1. 17 71 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Minor Constituent with trace Fine Medium Coal	se Grave	Sand	Silt (Clay	
Biological: Trace %	Debris: Track	% o	il Sheen: Non	Trace (<5%)%
Comments: Belogical: barnar Ochristungs, le	es, norms over, shells				
				No 2011 10 10 10 10 10 10 10 10 10 10 10 10	Amin\Field Forms\QS

QUAL	ITATIVE SA	MPLE CHAP	RACTERISTICS	F	age of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identi Numbe	
		12-17-17	Boeing PL2	SD-PER 102	R3
Coordin	ates		Water Depth		Time
North		East	Depth Unit	Rep Gear	
199658	127130	17	27.3 f t	3 0.2 Grab	1223
Penetration Depth Unit Initials S > Weath	ner (%)	Surficial Contact	Wood Estimate:		
10 cm CJ 2-20			:	X 5 =	%
Surficial sediment characteristics:					
Biological: Trace %	Debris:	ale_%	Oil Sheen: No	one' Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry	Ē		
Color Light Medium Dark		(Circle no Olive Gray	Brown Black		
Major Constituent Fine Medium Coars	e		najor & underline mod and Silt	ifying) Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sa	and Silt	Clay	
Subsurface sediment characteristics:				- Asserted the state of the sta	
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium	Dense Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium	Stiff Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark)	(Circle r Olive Gray	major & underline mod Brown Black	lifying) Other	
Major Constituent Fine Medium Coars	se	7/6	major & underline mod and Silt	lifying) Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel S	and Silt	Clay	
Biological: Tack %	Debris:	TREE 9	oil Sheen: N	one Trace (<5%)%
	els, wo		150		
Debvis trings, of	rens.	10 - 12 40 - 17 (20 M) - 10 - 10 (20 M)	-35.75		
The second secon		200 38 - 2200 ABOV			
4					

SD-PER103-1213

QUAL	ITATIVE SA	MPLE CHAI	RACT	ERISTIC	S		P	age of
Coordinate Datum		Date (mm/dd/yy)		Project Loc	ation	8	Sample Identif Number	
		12-11-13	Вое	eing PL2		SD	-PER 10	188
Coordin	nales			Water De	pth			Time
North	19544.5-1947.5-1949.5-195	East		Depth	Unit	Rep	Gear	
199652	12715	102	- 189 - 68 - 1	252	ft	1	0.2 Grab	1055
Penetration Depth Unit Initials O Weat Surficial sediment characteristics:		Surficia Contact		Estimate:		_	X5 = _	%
Biological: Trace %	Debris:	Trace %	Oil	Sheen:	No	ne	Trace (<5%)	%
Moisture Very Wet Wel Moist		Dry						
Color Light Medium Dark				underline	modi Black		Other	
Major Constituent Fine Medium Coar	se		najor & and	underline Sill	modi	fying) Clay) (
Minor Constituent with trace Fine Medium Coar	se	Gravel (S	and.	Silt		Clay		
Subsurface sediment characteristics:								
Density / Consistency								
Sand / Gravel - Very Loose	Loose	Medium	Dense	Dei	nse .		Very Dense	
Silt / Clay - Very Soft	Soft)	Medium	Stiff	Stif	f		Very Stiff	Hard
Moisture Very Wet Wet Mois	t Damp	Dry						
Color Light Medium Dark	5	Olive Gray		k underline rown			Other	
Major Constituent Fine Medium Coar	se	The investment of the contract	<mark>major ઠ</mark> Sand	k underline Silt	mod	ifying) Clay	2	
Minor Constituent with trace Fine Medium Coal	rse	Gravel S	Sand	Silt		Clay	9.	U.
Biological:%	Debris:	ace "	% O	il Sheen:	N	one	Trace (<5%)	%
	AMEC Proj. SD-PER103 QSC Form Initials: 65 N Date: 15/	BP2 Perime -1213	ter	255				

tes 127 50		Boe	Project Localing PL2 Water Depth	s	Sample Identii Numbei D-PER \3	
127 150	12-17-13 East 6 Surficia	Boe	ing PL2 Water De	epth Unit Rep	Gear	
127 150	6 Surficia		Depth	Unit Rep		Time
127 150	6 Surficia			1 3		
	Surficia		19.8	f + 2		
Fines (%)					0.2 Grab	1106
			Estimate:		X 5 =	%
Debris:	7188 %	. Oil	Sheen:	None)	Trace (<5%)	%
,como.	12000					
Damp	Dry					
4	(Circle Olive Gray		PARTY DESCRIPTION AND ADDRESS OF THE PARTY DESCR	modifying Black	Olher	
	Anna Santanana Anna Anna Anna Anna Anna Anna A	major & Sand	underline Silt	modifying Clay		1020-0
	Gravel S	Sand	Silt	Clay		
			 	V-2001 2.500a		
Loose	Medium	n Dense	De	nse	Very Dense	
Soft	Medium	n Stiff	Sti	ff	Very Stiff	Hard
Damp	Dry					
)	Olive (Circle	major &	underlin own	e modifyin Black	g) Other	
9	and the same and a same and a same and a same a		underlin			
Э	Gravel	Sand	Silt	Cla	у	
Debris: 3	4	% Oi	l Sheen:	None	Trace (<5%	Ď>9
				- 11/1/2 To 10/2		
9	Soft Damp Damp Debris: 2	Soft Medium Damp Dry (Circle Olive Gra (Circle Gravel Gravel	Soft Medium Stiff Damp Dry (Circle major & Gravel Sand Gravel Sand Debris: 4 % Oi	Soft Medium Stiff Stir Damp Dry (Circle major & underline Olive Gray Brown (Circle major & underline Gravel Sand Silt Gravel Sand Silt Debris: % Oil Sheen:	Soft Medium Stiff Stiff Damp Dry (Circle major & underline modifying Gray Brown Black (Circle major & underline modifying Gravel Sand Silt Clay Gravel Sand Silt Clay Debris: 4 % Oil Sheen: None	Soft Medium Stiff Stiff Very Stiff Damp Dry (Circle major & underline modifying) Olive Gray Brown Black Other (Circle major & underline modifying) Gravel Sand Silt Clay Gravel Sand Silt Clay Debris: \$\frac{1}{2}\$ \text{ Oil Sheen: None Trace (<5%)}

QUALITATIVE SAMPLE CHARACTERISTICS Page of							
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identii Number			
			Boeing PL2	SD-PER 193	RZ		
Coordin	ales		Water Depth		Time		
199651 North		East	Depth Unit				
199652	127150	03	1 f (.55	3 0.2 Grab	1/19		
Penetration Depth Unit Initials S S Weath	her Eines (%)	Surficial W Contact Po	ood Estimate: pints	X 5 =	%		
Surficial sediment characteristics:							
Biological: Trace %	Debris:	5%	Oil Sheen: No	ne Trace (<5%)	%		
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark		(Circle ma Olive Gray	jor & underline modi Brown Black	fying) Other			
Major Constituent Fine Medium Coars	se	(Circle ma Gravel San	jor & underline modi d Silt	fying) Clay			
Minor Constituent with trace Fine Medium Coars	se	Gravel San	d Silt	Clay			
Subsurface sediment characteristics:			11. TO 11. TWO TWO TWO TO 12.				
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Medium D	ense Dense	Very Dense			
Silt / Clay - Very Soft	Soft	Medium S	tiff Stiff	Very Stiff	Hard		
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark	5		ajor & underline mod Brown Black				
Major Constituent Fine Medium Coar	se	(Circle ma Gravel Sar	ajor & underline mod nd Silt	ifying) Clay			
Minor Constituent with trace Fine Medium Coar	se	Gravel Sar	nd Silt	Clay			
Biological: <u>trace</u> %	Debris:	<i>15</i> %	Oil Sheen: No	one Trace (<5%)%		
Biological was		arnacles	, HAUSSELS				
		90 0 40 90 90					
		-227	NUTSER COMPANY				

SD-PER104-1213

QUAL	ITATIVE SA	MPLE CH	ARACT	ERISTIC	S	Р	age of
Coordinate Datum		Date (mm/dd/y	y)	Project Loca		Sample Identi Numbe	r
		12171	3 Вое	eing PL2	SD	-PER 101	4 R1
Coordin	ales			Water Dep	oth	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Time
North		East	V		Jnit Rep	Gear	
199570	12713	45		25.9 f	t 1	0.2 Grab	1258
Penetration Depth Unit Initials S S Weath 2 c m 2 S Surficial sediment characteristics:			ial Wood ct Points	Estimate:		X 5 =	%
Biological: Trace %	Debris:	are	% Oil	Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry					#
Color Light Medium Dark			e major &	underline i	modifying) llack	Other	
Major Constituent Fine Medium Coars	e	(Circle Gravel	e major & Sand	underline (modifying) Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel	Sand	Silt	Clay		
Subsurface sediment characteristics:					***************************************		
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Mediu	ım Dense	Den	se	Very Dense	
Silt / Clay - Very Soft	Soft	Mediu	ım Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			II.		
Color Light Medium Dark)	(Circl		underline rown l) Other	
Major Constituent Fine Medium Coar	se	(Circ Gravel	le major 8 Sand	underline Silt	modifying Clay		
Minor Constituent with trace Fine Medium Coan	se	Gravel	Sand	Silt	Clay	<u> Kannanaa sa</u>	ra wa sa
Biological: Trace %	Debris:	Mace	_% 0	il Sheen:	None	Trace (<5%)%
Comments: Biological worms Debris leaves, +,			Ar —— SI —— QS —— Ini	MEC Proj D-PER10 SC Form tials:65 ate:\2_/	4-1213 <u>~</u>	rimeter	258
							=

QUA	LITATIVE SA	MPLE CHAP	RACTE	RISTICS	8	Pa	age of
Coordinate Datum		Date (mm/dd/yy)	Pr	oject Loca		Sample Identifi Number	1
		12-17-13	Boeir	ng PL2	SD	-PER 100	RZ
Coord	nates			Water Dep	th		Time
North	lates	East			nit Rep	Gear	ALEXANDER.
199 572	12713			25.8 f		0.2 Grab	13)2
Penetration Depth Unit Initials Wea		Surficial Contact		stimate:		13 E	~
to cm ct don	dy					X5 = _	%
Surficial sediment characteristics:							
Biological: %	Debris:	race %	Oil S	iheen:	None	Trace (<5%)	%
Moisture Very Wel Wet Mois	t Damp	Dry					
Color Light Medium Dark		Olive Gray	100	nderline m Bl	n odifying) ack	- ·	9-1-00-10-10-10-10-10-10-10-10-10-10-10-1
Major Constituent Fine Medium Coal	se		najor & u and	nderline n Silt	nodifying) Clay		day and
Minor Constituent with trace Fine Medium Coal	rse	Gravel S	and	Silt	Clay	·	
Subsurface sediment characteristics:							
Density / Consistency					·		
Sand / Gravel - Very Loose	Loose	Medium	Dense	Dens	se	Very Dense	
Silt / Clay - Very Soft	Soft	Medium	Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Mois	st Damp	Dry					
Color Light Medium Dari	3			underline r wn B		Other	
Major Constituent Fine Medium Coa	rse	1987	major & ເ and	underline r Silt	modifying) Clay)	Garan 1
Minor Constituent with trace	rse	Gravel S	and	Silt	Clay	7	
Biological:		rece of		Sheen:	None	Trace (<5%)	%
Bolone rale	gracs						
			43				
			41				
	FAVgy**						

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Pa	ge of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identific	cation
		12-17-13	Boeing PL2	SD-PER 104	N3
Coordin	nates	100 To 10	Water Depth		Time
North		East	Depth Unit R	Rep Gear	
199577	12713	45	26-6 f t	☐ 0.2 Grab	1350
Penetration Depth Unit Initials O Weat	her Lines	Surficial W Contact Po	ood Estimate: ints	_ X5 = _	%
Surficial sediment characteristics:					
Biological: Trace %	Debris:	ace_%	Oil Sheen: Non	e Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		Olive Gray	or & underline modify Brown Black	ying) Other	V.
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modify	ying) Clay	298-354
Minor Constituent with trace Eine Medium Coar	se	Gravel Sano	d Silt (Clay	
Subsurface sediment characteristics: Density / Consistency			2		
Sand / Gravel - Very Loose	Loose	Medium De	ense Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium St	stiff Stiff	Very Stiff	Hard
Moisture Very Wet Wet Mois	t Damp	Dry			
Color Light Medium Dark	3	(Circle ma Olive Gray	jor & underline modif Brown Black	ying) Other	
Major Constituent (Fine Medium Coal	se	(Circle ma Gravel San	jor & underline modif d Silt	f ying) Clay	water - water to the control
Minor Constituent with trace Fine Medium Coal	se	Gravel San	d Silt	Clay	
Biological:%	William Street William St. Co.	Trues %	Oil Sheen: No	Trace (<5%)	%
Comments:					
					Amin\Field Forms\QSC

SD-PER105-1213

QUALIT	ATIVE SAMP	LE CHARA	CTER	ISTIC	S		Р	age of
Coordinate Datum		Date (mm/dd/yy)	Proi	ect Lo	cation	5	Sample Identif Number	
Odd dillace Balani	1	2-19-13	Boeing			SD-	PER 105	RI
Coordinate	es		W	ater D	epth			Time
North	Ea			epth	Unit		Gear	15.5
199569	127144:	5	56	8.8	ft		0.2 Grab	1521
Penetration Depth Unit Initials O Weather c m Weather		Surficial Wo		mate:			X5 = .	%
	ebris: Tra	<u> </u>	Oil She	een:	No	ne	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry						
Color Light Medium Dark	Oli	(Circle majo ve Gray	Brown		mod Black		Other	
Major Constituent Fine Medium Coarse	Gr	(Circle majo avel Sand		derline Silt	mod	i fying) Clay		
Minor Constituent with trace Fine Medium Coarse	Gr	avel Sand	5	Silt		Clay		
Subsurface sediment characteristics:	1							***** <u>***</u>
Density / Consistency								
Sand / Gravel - Very Loose	Loose	Medium De	nse	De	nse		Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stif	f	Sti	ff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry						
Color Light Medium Datk	OI	(Circle maj ive Gray	or & un Brown	derlin	Black	lifying)	Other	
Major Constituent Fine Medium Coarse	Gi	(Circle maj ravel Sand		derlin Silt		lifying) Clay	480000000000000000000000000000000000000	
Minor Constituent with trace Eine Medium Coarse	G	ravel Sand	J	Silt		Clay		
Biological: Trace %	Debris:	Color %	Oil Sh	neen:	М	one	Trace (<5%))%
Comments: Tological - work	NS			*				
- Tung Tung Ice				SD-F QSC Initial	Forr S: 6	05-12 n .s v~		

QUAL	ITATIVE SA	MPLE CHAP	RACTERISTIC	cs	Р	age of
Coordinate Datum		Date (mm/dd/yy)	Project Lo		Sample Identil Number	
		12-19-13	Boeing PL2	st	D-PER 195	82
Coordin	nates		Water De	epth		Time
North		East	Depth	Unit Rep	Gear	
149572	127146	+4	26.4	f t 2	0.2 Grab	1532
Penetration Depth Unit Initials S > Weat	es	Surficial	Wood Estimate:			
Depth Unit Initials	her Kines	Contact	Points		V.F	0/
to cm CI partly	cloudy		•		X 5 =	%
Surficial sediment characteristics:						
Biological: Truce %	Debris:	Cla %	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle n	ajor & underline	modifying) Black	Other	
Major Constituent Fine Medium Coars	se		najor & underline	modifying) Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sa	nd Silt	Clay		Water State
Subsurface sediment characteristics:	0.000	**************************************	<u> </u>	****		1
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium	Dense De	nse	Very Dense	
Silt / Clay - Very Soft	Soft	Medium	suiff sui	f	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark)		ajor & underline Brown			
Major Constituent Fine Medium Coars	se		najor & underline and Silt	modifying Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel S	and Silt	Clay	garani e	
Biological:	Debris:	True %	Oil Sheen:	None	Trace (<5%)	%
Comments:						
Deling! Twigs	<u> </u>					

QUAL	ITATIVE SA	MPLE CHA	RACT	ERISTICS	S	Р	age of
Coordinate Datum		Date (mm/dd/yy)	Project Loca		Sample Identii Numbei	
		12-19-1	3 Bo	eing PL2	SD	-PER 19 5	R3
Coordin	nates	100 100 100		Water Dep	oth		Time
North		East			Jnit Rep	Gear	
199567	4417SI	12		26.5 f	t 3	0.2 Grab	1542
	her Lines		al Wood t Points	Estimate:	The state of the s	X 5 =	%
Surficial sediment characteristics:							
Biological: Trace %	Debris:	ruce "	% Oi	Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark		(Circle Olive Gra		underline r	nodifying) lack	Other	
Major Constituent Fine Medium Coars	5e		major & Sand	underline r	nodifying) Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel	Sand	Silt	Clay	61144	
Subsurface sediment characteristics:			* 0.00*** 1.00*** 1.00***				
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Mediur	n Dense	Den	se	Very Dense	
Silt / Clay - Very Soft	Soft	Mediur	n Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Mois	t Damp	Dry					
Color Light Medium Oark	3	Olive Gra		underline rown E		Other	
Major Constituent Fine Medium Coar	rse	Section 19 and 1	e major & Sand	underline Silt	modifying Clay		
Minor Constituent with trace	rse	Gravel	Sand	Silt	Clay		
Biological: Trace %	Debris:	Trace	% 0	il Sheen:	None) Trace (<5%)%
Comments: Biological: work	ms.		_	***************************************			
De birts: twigs, s	shell from	guarant				8	- N
				-311 1			
							*

SD-PER106-1213

C	QUALITATIVE SA	MPLE CH	ARACT	ERISTIC	S	P	age of
Coordinate Date	ım	Date (mm/dd/y	ry)	Project Loc		Sample Identif Number	
		15-17-1	J Boo	eing PL2	SE	-PER 106 (19
, (Coordinates			Water De	enth		Time
North		East			Unit Rep	Gear	
199426	12714	57		01 01	f t	0.2 Grab	850
Penetration Depth Unit Initials O	Weather ii. %		ial Wood ct Points	Estimate:		X5 =	%
Surficial sediment characteristics	over cast			2		^3 - <u>-</u>	76
***		.(,	10 200		0		
Biological:	% Debris: Tra		% Oil	Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet	Moist Damp	Dry					
Color Light (Medium)	Dark	(Circle Olive Gra			modifying) Black	Other	
Major Constituent Fine Medium	Coarse	(Circle Gravel	e major & Sand	underline	modifying) Clay		•
Minor Constituent with trace Fine Medium	Coarse	Gravel	Sand	Silt	Clay		
Subsurface sediment characteris	tics:				10.00	***************************************	3
Density / Consistency							•
Sand / Gravel - Very	Loose Loose	Mediu	m Dense	Der	nse	Very Dense	
Silt / Clay - Very	Soft Soft	Mediu	m Stiff	Stif	f	Very Stiff	Hard
Moisture Very Wet Wet	Moist Damp	Dry					
Color Light Medium	Dark	Olive Gr	The same of the sa		modifying Black	Other	
Major Constituent Fine Medium	Coarse	(Circl Gravel	e major 8 Sand	Silt	modifying Clay		
Minor Constituent with trace Fine Medium	Coarse	Gravel	Sand	Silt	Clay	,	
Biological: Trace	% Debris:	Vale	_% O	il Sheen:	None	Trace (<5%)	%
Comments: +wiss Wydms			SD-PEI QSC Fo Initials:	R106-12: orm られ		er me: <u>&</u> 50	
							Amin\Field Forms\QSC

QUA	LITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		15-13-13 E	Boeing PL2	SD-PER 106 RZ
Coord	inates		Water Depth	Time
North		East	Depth Unit Re	
199424	12714	56	22.2 ft 3	0.2 Grab 903
12 cm JB .ve.	ather ii. %)	Surficial Woo Contact Poin		X 5 =%
Surficial sediment characteristics:				_
Biological:%	Debris:	race %	Oil Sheen: None) Trace (<5%)%
Moisture Very Wet Wet Mois	st Damp	Dry		
Color Light Medium Dar	<		& underline modifyi Brown Black	ng) · Other
Major Constituent Fine Medium Coa	rse	(Circle major Gravel Sand	& underline modifyi	ng) ay
Minor Constituent with trace Fine Medium Coa	irse	Gravel Sand	Silt CI	ay
Subsurface sediment characteristics:			10 TO THE TOTAL OF	
Density / Consistency	38			
Sand / Gravel - Very Loos	e Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft) Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Mo	st Damp	Dry		
Color Light Medium Da	k	(Circle majo Olive Gray	r & underline modify Brown Black	ing) Other
Major Constituent Fine Medium Co	arse	(Circle majo Gravel Sand	r & underline modify Silt C	ing) lay
Minor Constituent with trace Fine Medium Co	arse	Gravel Sand	Silt C	ilay
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Comments: Shells twigs wo	rms			
		WHAT		
		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
				1-12 N-02 (N-02 (N
				Amin\Field Forms\QSC

QUALIT	ATIVE SAMPLE (CHARACTER	RISTICS	Pag	ge of
Coordinate Datum	4	ate dd/yy) Pro	oject Location	Sample Identific Number	ation
	12-17		g PL2	D-PER 156	R3
Coordinate	s	V	Vater Depth		Time
North	East		Depth Unit Rep	Gear	
199430	127 1454	3	0-9 ft3	0.2 Grab	915
Penetration Depth Unit Initials S Weather] e (e)	nrficial Wood Es ontact Points	timate:	X5 =	%
Surficial sediment characteristics: Biological: % De	ebris: Ty ace	% Oil Si	neen: None	Trace (<5%)	%
Very Wet Wet Moist	Damp Dry				
Color Light Medium Dark	(C Olive	ircle major & ur Gray Brown	nderline modifying	g) Other	
Major Constituent Fine Medium Coarse	(C Gravel	Fircle major & ur Sand	nderline modifyin Silt Cla		
Minor Constituent with trace Fine Medium Coarse	Gravel	Sand	Silt Cla	у	
Subsurface sediment characteristics:					36.3
Density / Consistency Sand / Gravel - Very Loose	Loose M	edium Dense	Dense	Very Dense	
Silt / Clay - Very Soft		edium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp Dry				
Color Light Medium Dark	Olive		nderline modifyin n Black	g) Other	HIRO 13-24
Major Constituent Fine Medium Coarse	(C Gravel	Circle major & u Sand	nderline modifyin Silt Cla		asseti
Minor Constituent with trace Fine Medium Coarse	Gravel	Sand	Silt Cla		
Biological: 100 % D	ebris: +100	% Oil S	Sheen: None	Trace (<5%)	0
Comments: Luis Sho	iħ				
Proto riulo	soled was Robert	2			

SD-PER126-1213

QUALI	TATIVE SA	MPLE CHAR	ACTERISTICS	1	Pageof
Coordinate Datum		Date (mm/dd/yy)	Project Locatio	Sample Ident	
		12-13-13		SD-PER 126	83)
Coordina	tes		Water Depth	T	Time
North		East		Rep Gear	
199434	127 14	-54	23-5 f	t) 0.2 Grab	931
Penetration by Penetration Depth Unit Initials O Weather	Fines (%)	Surficial \	Vood Estimate:		7
		Contact P	oints	X 5 =	%
			G		
Surficial sediment characteristics:					
Biological:% C	Debris:	ale %	Oil Sheen:	lone Trace (<5%))%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle m	ajor & underline mo Brown Blac		
Major Constituent Fine Medium Coarse		(Circle management of Circle m	ajor & underline mo	difying) Clay	
Minor Constituent with trace Fine Medium Coarse		Gravel Sar	nd Silt	Clay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium D	Dense Dense	Very Dense	
<u>Silt / Clay -</u> Very Soft	Soft	Medium S	suff Suff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			ajor & underline mo Brown Blad		
Major Constituent Fine Medium Coarse		(Circle m Gravel Sa	ajor & underline mo	odifying) Clay	,
Minor Constituent with trace Fine Medium Coarse	e	Gravel Sa	nd Silt	Clay	
Biological: trace %		rat %		None Trace (<5%	%)%
Comments:	0115				
- Worm)	Mar william as the	THE STATE OF THE S	— AMEC Proj.	BP2 Perimeter	·
			SD-PER126 — QSC Form	-1213	1987
			Initials: 6		
			Date: <u>\ </u>)3_/2013 Time:	931
			7.5		

QU	ALITATIVE SA	MPLE CHARACT	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-13-13 Bo	peing PL2 SI	D-PER 126 RZ
Coo	ordinates		Water Depth	Time
North		East	Depth Unit Rep	Gear
199436	12714	64	24-8 f t 2	0.2 Grab 944
	/eather E &	Surficial Wood Contact Points		× 5 =%
Surficial sediment characteristics:		3		
Biological:%	Debris: +ra	<i>«</i> 0	il Sheen: None	Trace (<5%)%
Moisture Very Wel Wel M	oist Damp	Dry		
Color Light Medium D	ark		underline modifying rown Black	Other
Major Constituent Fine Medium C	oarse	(Circle major of Gravel Sand	& underline modifying Silt Clay	
Miner Constituent with trace Fine Medium C	oarse	Gravel Sand	Silt Clay	3
Subsurface sediment characteristic	s:			
Density / Consistency				
Sand / Gravel - Very Loc	ose Loose	Medium Dense	Dense	Very Dense
Silt / Clay - Very So	ft Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet M	Noist Damp	Dry		
Color Light Medium D)ark		& underline modifying Brown Black	
Major Constituent Fine Medium C	Coarse	(Circle major Gravel Sand	& underline modifying Silt Clay	
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	Silt Clay	<i>'</i>
Biological: + race	6 Debris:	trace %	Oil Sheen: None	Trace (<5%)%
Comments: Vells, turgs, Warn	gra 15			
W HOW - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -				
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QUAL	ITATIVE SAN	IPLE CHARAC	CTERISTICS	Pag	e of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identific	ation
		HISTORY	Boeing PL2	SD-PER 126	23
Coordin	ates		Water Depth		Time
North		East	Depth Unit R	ep Gear	
199435	12714	60	25-5 f t	3 0.2 Grab	957
Penetration Depth Unit Initials S S Weath		Surficial Wo Contact Poi	od Estimate: nts	_ X 5 =	%
Surficial sediment characteristics:					
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	(r & underline modify Brown Black	Other	
Major Constituent Fine Medium Coars	e ((Circle majo Gravel Sand	r & underline modify	ring) Clay	
Minor Constituent with trace Fine Medium Coars	se (Gravel Sand	Silt C	Clay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	ise Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			or & underline modify Brown Black		
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modif	ying) Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand) silt (Clay	
Biological: <u>Fra@</u> %	Debris:	%	Oil Sheen: Nor)	%
Comments: twigs & Shell S	, kave				
				200	
					Amin\Field Forms\QSC

SD-PER201-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERIST	ICS	Pa	age of
Coordinate Datum		Date (mm/dd/yy)	Project	Location	Sample Identifi Number	cation
		12-10-13	Boeing PL2		SD-PER 20	RI
Coordin	ates		Water	Depth		Time
North		East	Depth	Unit Re	p Gear	
148343	127255	8	58.8	f t	0.2 Grab	1327
Penetration Depth Unit Initials Weath		Surficial Wo		le:	. X5 = _	%
Surficial sediment characteristics:	1.00					
Biological:%	Debris:	Trace %	Oil Sheen	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry		ν,		
Color Light Medium Dark		(Circle major) Olive Gray	Brown		ng) Other	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand		ine modifyii Cla		
Minor Constituent with trace Fine Medium Coars	ee.	Gravel Sand	Silt	Cl	ay	10.00
Subsurface sediment characteristics:	3114000.04		1, 2, 27,10			HE 100 C 10 TO
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse	Dense	Very Dense	4
Silt / Clay - Very Soft	Soft	Medium Stil		Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			or & underl) Brown		ng) Other	
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underl	11	ng) ay	761.000
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	d Silt	C	ay	
Biological: Trace %	Debris:	race %	Oil Sheer	: None	Trace (<5%)	%
Comments: Shells on SWG0			QSC F	orm	2 Perimeter 13 /2013 Time:_	1327
						Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARAC	TERISTICS	Pa	ge of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identific Number	ation
		12-10-13 E	Boeing PL2	SD-PER 301	RZ
Coordin	nates		Water Depth		Time
North		East	Depth Unit Re	ep Gear	
198395	127255	3	f t 2		1340
Penetration Depth Unit Initials O Weat		Surficial Woo Contact Poin	d Estimate: $+_{k}/_{C}$	strong to	%
Surficial sediment characteristics:					
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			& underline modify Brown Black	ing) Other	
Major Constituent Fine Medium Coar	se	(Circle major Gravel Sand	& underline modify	i ng) lay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand) Silt C	lay	
Subsurface sediment characteristics:		The same of the sa			
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Mois	t Damp	Dry			
Color Light Medium Dark		Olive Gray	r & underline modify Brown Black	other	
Major Constituent Fine Medium Coal	se	(Circle majo Gravel Sand	silt (Silt)	ving) Clay	
Minor Constituent with trace Fine Medium Coal	se	Gravel Sand	Silt (Clay	
Biological:%	Debris:	Trace %	Oil Sheen: Non	e Trace (<5%)	%
comments: Could on rufaco		, and the second			
10 10 10 10 10 10 10 10 10 10 10 10 10 1					
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QUAI	LITATIVE SA	MPLE CHARACT	ERISTICS	Page	_ of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
		12-10/13 Bo	peing PL2	SD-PER 20) R3	
Coordi	nates		Water Depth	Ti	me
North		East	Depth Unit Rep		
198398	12725	50	- [f t]	0.2 Grab 13 5	28
Penetration Depth Unit Initials S S Wea		Surficial Wood Contact Points		strong X5 =	%
Surficial sediment characteristics:					
Biological:%	Debris:	race % o	il Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	. Damp	Dry			
Color Light Medium Dark			underline modifyin rown Black	g) Other	
Major Constituent Fine Medium Coar	se	(Circle major 8 Gravel Sand	Silt Cla		, r-17.
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt Cla	у	
Subsurface sediment characteristics:		A CONTRACTOR OF THE CONTRACTOR			
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dense	Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Mois	t Damp	Dry			
Color Light Medium Dark		Olive Gray	& underline modifyir frown Black	ng) Other	
Major-Constituent Fine Medium Coal	rse	(Circle major Gravel Sand	& underline modifyir Sill Cla		/e
Minor Constituent with trace Fine Medium Coa	rse	Gravel Sand	Silt Cla	ау	
Biological:% Comments:	Debris:		Oil Sheen: None	Trace (<5%)	%
	SAME TO SAME TO SAME				
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SD-PER202-1213

QUA	LITATIVE SA	MPLE CHAR	ACTERISTI	CS	F	age of
Coordinate Datum		Date (mm/dd/yy)	Project Lo	ocation	Sample Identi Numbe	
		12-10-13	Boeing PL2	s	D-PER 202	RI
Coord	linates		Water D	Depth		Time
North		East	Depth	Unit Rep	Gear	
198118	12729	29	1	f t	0.2 Grab	1435
() cm 13 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ather ii %	Surficial V Contact P	〜☆〜 Vood Estimate oints —	: + 27 st	x5 =	%
Surficial sediment characteristics:					\	
Biological:%	Debris:) race %	Oil Sheen:	None	/ Trace (<5%)	%
Moisture Very Wet Wet Moi	st Damp	Dry	ě			
Color Light Medium Dar	k	(Circle ma Olive Gray	Brown	e modifying Black	g) Other	
Major-Constituent Fine Medium Con	arse	(Circle ma Gravel Sar	ajor & underlin	e modifying Clay		
Minor Constituent with trace Fine Medium Con	arse	Gravel Sar	nd Silt	Clay	y	Pennis-Turking as a
Subsurface sediment characteristics:		*			*	
Density / Consistency						1
Sand / Gravel - Very Loos	e Loose	Medium D	ense D	ense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium S	Stiff	tiff	Very Stiff	Hard
Moisture Very Wet Wet Mo	ist [#] Damp	Dry				
Color Light Medium Da	rk	Olive Gray	ajor & underlir Brown	Black	g) Other	9.55
Major Constituent Fine Medium Co	arse	(Circle m Gravel Sa	ajor & underlin	ne modifyin Cla		*
Minor Constituent with trace Fine Medium Co	arse	Gravel Sa	nd Silt	Cla	у	
Biological: %	Debris:	ruco %	Oil Sheen:	None	Trace (<5%)%
Comments: Should an suffer a			AMEC Proj. I SD-PER202- QSC Form nitials: 65 10 Date: 12 /	1213		35

QUA	LITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-10-13	Boeing PL2	SD-PER 302 RZ
Coord	inates		Water Depth	Time
North		East	Depth Unit Re	p Gear
198117	12729	925	- ft2	
Penetration Depth Unit Initials S Wes	ather (%)	Surficial Woo	od Estimate: +, +ol	x5 =%
Surficial sediment characteristics:				. \
Biological:%	Debris:	Trace %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Mois	t Damp	Dry		
Color Light Medium Dark	(r & underline modifyir Brown Black	ng) Other
Major Constituent Fine Medium Coa	rse	(Circle major Gravel Sand	r & underline modifyin	
Minor Constituent with trace Fine Medium Coa	rse	Gravel Sand	Silt Cla	ay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loos	e Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moi	st Damp	Dry		
Color Light Medium Dar	k	Olive Gray	r & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coa	arse	(Circle majo Gravel Sand	or & underline modifyi	ng) lay
Miner Constituent with trace Fine Medium Coa	arse	Gravel Sand	Silt CI	lay
Biological: True %	Debris:	mace %	Oil Sheen: None	Trace (<5%)%
Comments: Sholle (a SWFu	(Q.			
				Addition of the Control of the Contr

QUAL	ITATIVE SA	MPLE CHAI	RACTERIST	ICS	Pa	ige of
Coordinate Datum		Date (mm/dd/yy)	Project L		Sample Identifi Number	cation
		12.10-13	Boeing PL2	SI	D-PER SOS	RJ
Coordir	nates		Water	Depth		Time
North		East	Depth		Gear	
198123	1272	925		f t 3	0.2 Grab	1458
Penetration Depth Unit Initials O		Surficial Contact	Wood Estimate	vent too	strong = 5 × 5	%
Surficial sediment characteristics:					3	
Biological:%	Debris:	15_%	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wel Moist	Damp	Dry				
Color Light Medium Dark		(Circle r Olive Gray	Brown	ne modifying Black	Olher	
Major Constituent Fine Medium Coars	se		najor & underlin and Silt	ne modifying Clay		<u> </u>
Minor Constituent with trace Fine Medium Coars	se	Gravel S	and Silt	Clay	1	
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium	Dense [Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium	Stiff S	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	l Damp	Dry				
Color Light Medium Dark			major & underli Brown			
Major Constituent Fine Medium Coar	se	Sign of the Control of the	major & underli Sand Silt	ine modifying Clay		
Minor Constituent with trace Fine Medium Coar	se	Gravel S	and Silt	Clay	-	
Biological:	Debris:	Traco :	6 Oil Sheen	: None	Trace (<5%)	%
-Shows on Suf	àce					
-www						
			10.0	3.42	W 1606	W28-97-11-11-11-11-11-11-11-11-11-11-11-11-11
W D 40253552						
A STATE OF THE STA			17-27-28-5			

SD-PER203-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		[1-11-5]	Boeing PL2	SD-PER Zo3 R1
Coordin	nates		Water Depth	Time
North		East	Depth Unit F	
198136	12726	18)6.3 f t	\ 0.2 Grab \\\56
Penetration Depth Unit Initials O Weat Surficial sediment characteristics:	her Lines	Surficial Wo	ood Estimate: nts	X 5 =%
Biological:%	Debris:	gor %	Oil Sheen: Non	e (race (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo Olive Gray	or & underline modify Brown Black	ying) Other
Major Constituent Fine Medium Coard	se	(Circle majo Gravel Sand	or & underline modif	ying) Clay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay
Subsurface sediment characteristics:				
Density / Consistency			ψ.	
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stil	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Mois	t Damp	Dry		
Color Light Medium Dark	⋗		or & underline modif Brown Black	
Major-Constituent Fine Medium Coar	se	(Circle maj Gravel Sand	or & underline modif	fying) Clay
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	I Silt	Clay
Biological: Truck %	Debris:	race %	Oil Sheen: No	ne Trace (<5%)
Comments:		s	MEC Proj. BP2 F D-PER203-1213 QSC Form nitials: 65 V Date: 12 / \\ /2	Perimeter
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QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS		Pa	ge of
Coordinate Datum		Date (mm/dd/yy)	Project Locati		ample Identific Number	cation
		15-11-13	Boeing PL2	SD-I	PER 203	R2
Coordin	ales		Water Dept	1		Time
North		East	Depth Ur	nit Rep	Gear	
198136	12726	20	16.6 f	t 2 0	0.2 Grab	1508
Penetration Depth Unit Initials S S Weath O C M JB S S S S S S S S S S S S S S S S S S	1	Surficial W Contact Po	ood Estimate: pints	>	<5 = _	<u></u> %
Surficial sediment characteristics:	-7					
Biological:%	Debris: //	ace%	Oil Sheen:	None -	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			or & underline m Brown Bla		Other	
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	jor & underline m	odifying) Clay		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	d Silt	Clay	THE	d a
Subsurface sediment characteristics:					, 13	
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	ense Dense	e	Very Dense	
Silt / Clay - Very Soft	Soft	Medium St	iff Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			jor & underline m Brown Bl		Other	1 191
Major Constituent Fine Medium Coars	se	(Circle ma Gravel San	ijor & underline m d Silt	odifying) Clay		
Minor Constituent with trace	20	Gravel San	d Silt	Clay		
Fine Medium Coars	7	tana —		1		
Biological:%	Debris/	7000 70	Oil Sheen:	None	Trace (<5%)	%
Plost K				N_		
	37-5 G					
				7 10700		

Coordinate Datum	QUA	LITATIVE SA	MPLE CHAR	ACTERISTI	cs	Pa	age of
North East Depth Unit Rep Gear	Coordinate Datum			Project Lo	ocation		cation
North East Depth Unit Rep Gear			12-11-13	Boeing PL2	st	D-PER 203	R3
Penetration Depth Unit Initials O	Coord	inates		Water D	Pepth		Time
Penetration Depth Unit Initials Section Section Section Depth Unit Initials Section Sect	North		East	Depth	Unit Rep	Gear	
Surficial sediment characteristics: Biological:	198136	127262		16.8	f t 3	0.2 Grab	15 17
Biological:	12 cm 313 gatty					X5 = _	%
Moisture Very Wet Wet Wet Moist Damp Dry Color Light Medium Dark Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Subsurface sediment characteristics: Density / Consistency Sand / Gravel Very Loose Loose Medium Dense Dense Very Dense Silt / Clay Very Soft Medium Stiff Very Stiff Hard Moisture Very Wet Wet Moist Damp Dry Color Color Light Medium Dark Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Gircle major & underline modifying) Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Fine Medium Coarse Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Fine Medium Coarse Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Fine Medium Coarse Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Minor Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Fine Medium Coarse Medium Coarse Fine	Surficial sediment characteristics:	(
Very Wet Wet Moist Damp Dry Color Light Medium Dark Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Subsurface sediment characteristics: Density / Consistency Sand / Gravel - Very Loose Loose Medium Dense Dense Very Dense Silt / Clay - Very Soft Soft Medium Stiff Stiff Very Stiff Hard Moisture Very Wet Wet Moist Damp Dry Color Light Medium Dark Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent (Circle major & underline modifying) Circle major & underline modifying) Circle major & underline modifying) Minor Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent With trace Fine Medium Coarse Gravel Sand Silt Clay Biological: Well Moist Damp Trace (<5%)	Biological:%	Debris:	<u></u> %	Oil Sheen:	None	Trace (<5%)	%
Light Medium Dark Olive Gray Brown Black Other		st Damp	Dry				
Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Subsurface sediment characteristics: Density / Consistency Sand / Gravel - Very Loose Loose Medium Dense Dense Very Dense Silt / Clay - Very Soft Soft Medium Stiff Stiff Very Stiff Hard Moisture Very Wet Wet Moist Damp Dry Color Light Medium Dark Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Biological: 100 Coarse Gravel Sand Silt Clay		<					
Subsurface sediment characteristics: Density / Consistency Sand / Gravel - Very Loose Loose Medium Dense Dense Very Dense Silt / Clay - Very Soft Soft Medium Stiff Stiff Very Stiff Hard Moisture Very Wet Wet Moist Damp Dry Color Light Medium Dark Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor-Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Biological: 100 Coarse Gravel Sand Silt Clay Biological: 100 Coarse Gravel Sand Silt Clay Minor-Constituent With Trace (<5%)		rse	Andreas and the second	The state of the s			
Sand / Gravel - Very Loose Loose Medium Dense Dense Very Dense		rse	Gravel Sar	nd Silt	Clay	-	
Sand / Gravel - Very Loose Loose Medium Dense Dense Very Dense Silt / Clay - Very Soft Soft Medium Stiff Stiff Very Stiff Hard Moisture Very Wet Wet Moist Damp Dry Color Light Medium Dark Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Biological: 100 Medium Coarse Gravel Sand Silt Clay	Subsurface sediment characteristics:		4				
Silt / Clay - Very Soft Soft Medium Stiff Stiff Very Stiff Hard Moisture Very Wet Wet Moist Damp Dry Color Light Medium Dark Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Biological: Medium Coarse Gravel Sand Silt Clay Biological: Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Biological: Medium Coarse Gravel Sand Silt Clay Minor Constituent With trace Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent With trace Fine Medium Coarse Gravel Sand Silt Clay Biological: Medium Coarse Gravel Sand Silt Clay Minor Constituent With trace Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent With trace Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent With trace Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent With trace Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent With trace Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent With trace Fine Medium Coarse Gravel Sand Silt Clay	Density / Consistency						
Moisture Very Wet Wet Moist Damp Dry Color Light Medium Dark Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Biological:	Sand / Gravel - Very Loos	e Loose	Medium D	ense D	ense	Very Dense	
Very Wet Wet Moist Damp Dry Color (Circle major & underline modifying) Light Medium Dark Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Biological:	Silt / Clay - Very Soft	Soft	Medium S	stiff SI	iff	Very Stiff	Hard
Light Medium Dark Olive Gray Brown Black Other Major Constituent Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Biological:		st Damp	Dry	100g Seff (c/a) 38 mentumber			
Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay Biological: Was a second of the company of	475.50	k					
Fine Medium Coarse Gravel Sand Silt Clay Biological: Ware % Debris: Ware % Oil Sheen: None Trace (<5%)		arse	Party and the same of the same	The second second			
W3.1.6X		arse	Gravel Sa	nd Silt	Clay		
	Biological: Truce %	Debris:	RACE %	Oil Sheen:	(None)	Trace (<5%)	9
					101-012-101-1		
					Marantan serasi		
				N TE			
					e		

SD-PER204-1213

QUAI	ITATIVE SA	MPLE CHARA	CTERISTICS		Page of
Coordinale Datum		Date (mm/dd/yy)	Project Locatio		ber
		15.11-13	Boeing PL2	SD-PER 30	4 81
Coordi	nates		Water Depth		Time
North		East	Depth Unit	t Rep Gear	
197914	1273	009	27.2 f	0.2 Grab	1538
Penetration Depth Unit Initials So Wea c m Surficial sediment characteristics:		Surficial W Contact Po	ood Estimate: iints ————	X 5 =	%
Biological: Trace %	Debris:	all_%	Oil Sheen:	lone Trace (<5°	%)%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle maj Olive Gray	or & underline mo Brown Blac		
Major Constituent Fine Medium Coar	se	(Circle maj Gravel Sand	or & underline mo	difying) Clay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	d Silt	Clay	
Density / Consistency Sand / Gravel - Very Loose Silt / Clay - Very Soft Moisture Very Wet Wet Mois	Loose Soft Damp	Medium De Medium Sti Dry		Very Dens	se Hard
Color Light Medium Dark			jor & underline mo Brown Blac		
Major Constituent Fine Medium Coal	se	(Circle ma Gravel San	jor & underline mo d Sill	odifying) Clay	
Minor Constituent with trace Fine Medium Coal		Gravel San	d Silt	Clay	
Biological: 17424 %	Debris:	Tipe %	Oil Sheen:	None Trace (<5	%)%
Comments:			AMEC Proj. B SD-PER204-1 QSC Form Initials: GSM Date: 12 A	P2 Perimeter 213	1538
			-		Amin\Field Forms\QSC

QUAI	ITATIVE SA	AMPLE CHAR	ACTERISTI	CS		12 49	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Lo	cation		Sample Ident Numbe	
		15-11-13	Boeing PL2		100000	PER Zol	1 RZ
Coordi	nates		Water D	epth			Time
North		East	Depth	Unit	Rep	Gear	
197914	1273	017	27.6	f t	2	0.2 Grab	1254
Penetration Depth Unit Initials O		Surficial V Contact P	Vood Estimate oints —			X 5 =	%
Surficial sediment characteristics: Biological:%	Debris: 7	RMCE_%	Oil Sheen:	No	one	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry'					
Color Light Medium Dark		(Circle ma Olive Gray	Brown	e mod Black		Other	
Major Constituent Fine Medium Coar	se	(Circle ma Gravel Sar	ajor & underline	e mod	ifying) Clay		
Minor Constituent with trace Fine Medium Coar	se	Gravel Sar	nd Silt		Clay		Overnoon of the contract of th
Subsurface sediment characteristics:							
Density / Consistency					*	9/	
Sand / Gravel - Very Loose	Loose	Medium D	ense De	ense		Very Dense	
Silt / Clay - Very Soft	Soft	Medium S	tiff St	iff		Very Stiff	Hard
Moisture Very Wet Wet Mois	t Damp	Dry			-		
Color Light Medium Dark	E	Olive Gray	ajor & underlin Brown	e mod Black	ifying)	Other	STREET AT
Major Constituent Fine Medium Coar	se	(Circle m Gravel Sa	ajor & underlin	OF MANY SALES	l ifying Clay		
Minor Constituent with trace Fine Medium Coal Biological:	se Debris: 7	Gravel Sai	Oil Sheen:	N	Clay	 Trace (<5%)%
Comments:	-						
						We you	
		ligare and					

QUAL	ITATIVE SA	MPLE C	HARACT	ERISTIC	S	Р	ageof
Coordinate Datum	- 12 to 12 t	Date (mm/de		Project Loc	ation	Sample Identit	
		15-11-0	~	eing PL2		SD-PER 25 4	R3
Coordin	nates			Water De	pth		Time
North		East		S 10 10 10 10 10 10 10 10 10 10 10 10 10	Unit Rep		
1479/7	12730	11		27.1	f t 3	0.2 Grab	1300
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	her Kines		icial Wood tact Points	Estimate:	· · · · · · · · · · · · · · · · · · ·	X 5 =	%
Surficial sediment characteristics:		a			\sim		
Biological:%	Debris:	CACK	_ % Oil	Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark			cle major & Gray Bro		modifyin Black	g) Other	
Major Constituent Fine Medium Coars	se	(Cir Gravel	cle major & Sand	underline Silt	modifyin Cla		
Minor Constituent with trace Fine Medium Coars	se	Gravel	Sand	Silt	Cla	у	
Subsurface sediment characteristics:							
Density / Consistency							
Sand / Gravel - Very Loose	Loose	0.00000	dium Dense	Der	nse	Very Dense	
Silt / Clay - Very Soft	Soft		dium Stiff	Stif	f	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry		7			
Color Light Medium Dark			cle major 8 Gray Br				
Major Constituent (Fine Medium Coar	se	(Cir Gravel	r cle major 8 Sand	underline Sill	modifyir Cla		
Minor Constituent with trace Fine Medium Coar	se	Gravel	Sand	Silt	Cla	ay	
		FACE		il Sheen:	None		
Comments:		~ 1874 B	graci				
						- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
-			MO STORE				X

SD-PER205-1213

QUALI	TATIVE SAMPLE CHARA	ACTERISTICS	Page of
Coordinate Datum	Date (mm/dd/yy)	Project Location	Sample Identification Number
	12-11-13	Boeing PL2	SD-PER 205 RI
Coordina	ites	Water Depth	Time
North	East	Depth Unit Re	
197721	1273385	27.2 ft \	0.2 Grab 1334
Penetration Depth Unit Initials S S Weather c m S S S S S S S S S S S S S S S S S S	er ii % Contact Po	lood Estimate: pints	X 5 =%
Surficial sediment characteristics:			
Biological:%	Debris: 1/4 @ %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp Dry		
Color Light Medium Dark	(Circle ma Olive Gray	jor & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coarse		jor & underline modifyi d Silt Cl	ng) ay
Minor Constituent with trace Fine Medium Coarse	Gravel San	d Silt CI	ay
Subsurface sediment characteristics:			
Density / Consistency Sand / Gravel - Very Loose	Loose Medium D	ense Dense	Very Dense
Silt / Clay - Very Soft	Soft Medium S		Very Stiff Hard
Moisture Very Wet Wel Moist	Damp Dry	To commende	
Color Light Medium Dark		ajor & underline modifyi Brown Black	
Major Constituent Fine Medium Coarse		ajor & underline modify nd Silt C	ing) lay
Minor Constituent with trace Fine Medium Coarse	e Gravel Sar	nd Silt C	lay
Biological: 1770e %	Debris:%	Oil Sheen: None	e Trace (<5%)%
Comments:			
Grass, Morring	SI Q In	MEC Proj. BP2 Peri D-PER205-1213 SC Form itials: 527 / 11 /2013	meter 3 Time: ¹³ 3 '

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum	2017 15112	Date (mm/dd/yy)	Project Location	Sample Identification Number
		13-11-13	Boeing PL2	SD-PER 295 RZ
Coordin	ates		Water Depth	Time
North		East	Depth Unit Re	
147721	127337	73	27.8 ft 2	2 0.2 Grab 1349
Penetration Depth Unit Initials S Weath C m M Surficial sediment characteristics:		Surficial Wo	od Estimate: nts	_ X 5 =%
Biological:%	Debris: 7R	CACE %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			Brown Black	Other
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	r & underline modify Silt C	ing) lay
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand) Silt C	ilay
Subsurface sediment characteristics:				
Density / Consistency				¥*
Sand / Gravel - Very Loose	Loose	Medium Der	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			or & underline modify Brown Black	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modify	ring) Clay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	Clay
Biological: 7/4/7/%		RACE %	Oil Sheen: Non	e Trace (<5%)%
Grasi, Shells	1 MO.	VM3		
				Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CH	IARACT	ERISTICS	<u> </u>	Page of!
Coordinate Datum		Date (mm/dd/	1	Project Location		dentification mber
		15-11-		eing PL2	SD-PER	205 RJ
Coordin	ales			Water Depth	T	Time
North		East		Depth Unit	Rep Gear	
197726	12733.	78		27.2 f t	3 0.2 Grab	1404
Penetration 0	S	Surfi	cial Wood	Estimate:	Auton	
Penetration Depth Unit Initials S > Weath	ner Kines	Cont	act Points			
10 cm et low	9			j - 4	X 5 =	%
Surficial sediment characteristics:	f					577
Biological: Trace %	Debris:	ace	_% O i	Sheen: No	ne) Trace (<	5%)%
Moisture Very Wet Wet Moist	Damp	Dry				*
Color Light Medium Dark			le major & ray Br	underline modi own Black	fying) Other	S. S
Major Constituent Fine Medium Coars	e ·	(Circ Gravel	le major & Sand	underline modi	fying) Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel	Sand	Silt	Clay	
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medi	ium Dense	Dense	Very De	nse
Silt / Clay - Very Soft	Soft	Medi	lum Stiff	Stiff	Very Sti	ff Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	5			underline mod own Black		
Major Constituent Fine Medium Coars	se	(Circ Gravel	cle major & Sand	k underline mod Silt	ifying) Clay	1000
Minor Constituent with trace	se	Gravel	Sand	Silt	Clay	10 p
Biological:%	Debris:		_% 0	il Sheen: No	one Trace (<5%)%
Comments: Bulley (Cal: Wo	m					
Debres + Leaves	smed gic	uso, t	way s			
	WT 10000 0 1200					
			N. N.			

SD-PER206-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page	eof
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identifica Number	tion
		12-12-13	Boeing PL2	SD-PER 206	18
Coordii	nates		Water Depth		Time
North		East	Depth Unit R	ep Gear	
197709	127313	3 6	12.5 f t	0.2 Grab	905
Penetration Depth Unit Initials S S Weal	The state of the s	Surficial W Contact Po	ood Estimate: ints	X 5 =	%
Surficial sediment characteristics:					
Biological: Trace %	Debris:	<i>0</i> %	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle maj Olive Gray	or & underline modify Brown Black	ing) Olher	
Major Constituent Fine Medium Coars	se	Gravel Sand		ing) lay	
Minor Constituent with trace Fine Medium Coars	6e	Gravel Sand	Silt C	lay	38.20
Subsurface sediment characteristics:		AMMON		***************************************	
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			or & underline modify Brown Black		102 X - 14 - 150 A - 1 - 1 - 1
Major Constituent Fine Medium Coar	se	(Circle ma Gravel San	or & underline modify	r ing) Clay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand		Clay	
Biological:%	Debris:	0 %	Oil Sheen: None	e Trace (<5%)	%
Comments: Trace brological con	sists of	Worms			
			MEC Proj. BP2 Per	imeter	
			D-PER206-1213		-
		In	SC Form itials:< <u><</u> < <u>\^</u>		_
2 10 10 10 10 10 10 10 10 10 10 10 10 10		D	ate: 12 / 12 /20	13 Time: <u> ిం</u> ర	VA17-200-0458
				Δο	nin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Pag	e of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identific Number	ation
		15-15-13	Boeing PL2	SD-PER 206	KZ
Coordin	ates		Water Depth		Time
North		East	Depth Unit Re		
197705	127313	/	12.8 ft2	0.2 Grab	917
Penetration Depth Unit Initials S S Weath		Surficial W Contact Po	ood Estimate: ints	X5 =	%
Surficial sediment characteristics:	•				
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle maj Olive Gray	or & underline modifyii Brown Black	ng) Other	to en annual de la constantación de la constan
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underline modifying Silt Cla		
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	CI:	ay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			or & underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coars	se	(Circle ma Gravel San	jor & underline modifyi d Silt Cl	ng) ay	
Minor Constituent with trace Fine Medium Coars	se .	Gravel San	Silt CI	ay	
Biological:%	Debris:	met %	Oil Sheen: None	Trace (<5%)	%
Comments: Bullogical won Delovis shells					

QUAL	ITATIVE SA	MPLE CHAR	ACTERIST	ICS	Р	age of
Coordinate Datum		Date (mm/dd/yy)	Project L	ocation.	Sample Identif	
		15-15-13			SD-PER 206	
Constitution	otoo					2000
Coordina North	aids	East	Water Depth		Gear	Time
197709	127313		12.5	ft3	0.2 Grab	930
					10.12 0.00	
Penetration Depth Unit Initials O Weath	er Eines (%)		Wood Estimate	e:		
	ier i e	Contact F	oints		X 5 =	%
Surficial sediment characteristics:			-		-	
Biological:%	Debris:	all %	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
	Bamp			3		
Color Light Medium Dark			ajor & underlin		Other	waxay waaqoo ea Hill Vi
Major Constituent (Fine) Medium Coarse	e	(Circle m Gravel Sa	ajor & underlin	n e modifyin g Clay		
Minor Constituent with trace Fine Medium Coarse	е	Gravel Sa	nd Silt	Clay		
Subsurface sediment characteristics:						***
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium [Dense D	ense .	Very Dense	
Silt / Clay - Very Soft	Soft	Medium S	Stiff S	stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle m Olive Gray	ajor & underli Brown	ne modifyin Black	g) Other	
Major Constituent Fine Medium Coars	e	(Circle m Gravel Sa	ajor & underli	ne modifyin		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sa	nd Silt	Cla	у	
Biological: Trace %	Debris:	ree %	Oil Sheen:	None	Trace (<5%)	%
Comments:		Ndg al		••••••	***************************************	
Debut Leaves, tw	195					
	FULL SERVICE			//		

SD-PER207-1213

QUAL	ITATIVE SA	AMPLE C	HARACT	ERISTICS	3	F	age of
Coordinate Datum		Date (mm/de	1	Project Loca		Sample Identi Numbe	
		15-15	-3 Bo	eing PL2	SE	D-PER 20"	18
Coordin	ates			Water Dep	th		Time
North	PERDIA NA MANA	East		Depth U	nit Rep	Gear	
197500	12734	+84		26.0 f	t \	0.2 Grab	952
Penetration Depth Unit Initials O S Weath			ficial Wood tact Points			X 5 =	<u></u> %
Surficial sediment characteristics:	,						
Biological: Trace %	Debris:	9	% Oi	l Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark			cle major & Gray Br	underline m own Bl	nodifying) ack	Other	
Major-Constituent Eine Medium Coars	е	(Cir Gravel	cle major & Sand	underline m	nodifying) Clay		
Minor Constituent with trace Fine Medium Coars	е	Gravel	Sand	Silt	Clay		
Subsurface sediment characteristics:			W 1918 V	TANASA TA			
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Med	dium Dense	Dens	e	Very Dense	
<u>Silt / Clay -</u> Very Soft	Soft	Med	dium Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark	b	(Cir Olive	rcle major 8 Gray Br	underline n	nodifying lack	Other	-
Major Constituent Fine Medium Coars	se	(Cir Gravel	rcle major 8 Sand	underline n	nodifying Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel	Sand	Silt	Clay	. (10)	
Biological: Trave %	Debris: 1	race	% 0	il Sheen:	None	> Trace (<5%)%
Comments:				1			
sehols tiving3			— Ś	AMEC Proj D-PER207 SC Form	BP2 P	Ori-	
V		TENNISE E	Q	D-PER207 SC Form	7-1213	erimeter -	
							F
			Da	te: 13 /	13 /201		_
					~~~~~	3 Time: 9	5 2 -

QUALIT	ATIVE SAM	PLE CHARAC	CTERISTICS	Pag	e of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification	ation
	1		Boeing PL2	SD-PER Zon	K5
Coordinate	es		Water Depth		Time
North		ast	Depth Unit Re	p Gear	310, 909, 100
197 507	127 34 85	3	25.5 ft2	0.2 Grab	1006
Penetration  Depth Unit Initials S Weather  C m OT Weather		Surficial Wo	od Estimate: nts	X5 =	%
Surficial sediment characteristics:	1		-	-	
A CONTROL OF THE CONT	ebris: Tro	ice%	Oil Sheen: None	> Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	0		r & underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coarse	G	(Circle majo ravel Sand	r & underline modifyi		
Minor Constituent with trace Fine Medium Coarse	G	iravel Sand	Silt Cl	ау	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	C		r & underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coarse	G	<b>(Circle majo</b> Gravel Sand	r & underline modifyi	<b>ng)</b> ay	
Minor Constituent with trace Fine Medium Coarse	G	Gravel Sand	Silt CI	ay	
Biological:% De	ebris: TM	le %	Oil Sheen: None	Trace (<5%)	%
Comments: Bulgacal: Warms					

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		15-13-13	Boeing PL2	SD-PER 207 R3
Coordin	nates		Water Depth	Time
North		East	Depth Unit Re	ep Gear
197502	127348	34	25.6 f t =	3 0.2 Grab 1020
	her Eines	Surficial Wo	ood Estimate: nts	_ X5 =%
Surficial sediment characteristics:				
Biological: Trace %	Debris:	rall %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	or & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifyi	ng) ay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt CI	lay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	)		or & underline modifyi Brown Black	Olher
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifyi	ing) lay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	lay
Biological: Trace %	Debris:	oca %	Oil Sheen: None	Trace (<5%)%
Comments: Booley real Wards Debote: Leaves				
Grab partally o	verlappe Hected i	ria ferrai	s grate leco	ation Divet
Y				
				Amin\Field Forms\QSC

# SD-PER208-1213

QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Р	ageof
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identif Number	
		15-15-13	Boeing PL2	SD-PER 208	RI
Coordin	ales		Water Depth		Time
North		East	Depth Unit Re	ep Gear	
197344	13-13-1	18	27.8 f t	0.2 Grab	1155
Penetration  Depth Unit Initials S S Weath	ner Hines	Surficial Wo Contact Poi	od Estimate: nts	X 5 =	%
Surficial sediment characteristics:					
Biological: Trace %	Debris: TV	6CL_ %	Oil Sheen: None	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			Brown Black	ng) Other	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modify	ing) lay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	lay	
Subsurface sediment characteristics:		WEAR WILLIAM			
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense	
Silt / Clay - Very Soft	Seft	Medium Stiff	f Stiff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium OY Dark	>	Olive Gray	or & underline modify Brown Black	other	
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & underline modify	ring) Clay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt C	Clay	
Biological:%	Debris:	%	Oil Sheen: Non	e Trace (<5%	)%
Comments: Biological: Worms Deprid: Mas, Shel	Initiala	Proj. BP2 Perin R208-1213			
1					Amin\Field Forms\QSC

QUAL	ITATIVE SAN	IPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
7		15-15-13 E	Boeing PL2	SD-PER 208 12 2
Coordin	nates		Water Depth	Time
North		East	Depth Unit Re	
197342	127379	6	27.4 ft 3	0.2 Grab 1207
Penetration  Depth Unit Initials S S Weat  Surficial sediment characteristics:		Surficial Woo		_ X 5 =9
Biological:%	Debris:	race %	Oil Sheen: (None	) Trace (<5%) %
Moisture  Very Wet Wet Moist		Dry		
Color Light Medium Dark	9	57 (55) 19	& underline modifyi Brown Black	ng) Other
Major-Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline modifyi	ng) ay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt CI	
Subsurface sediment characteristics:		30.033		
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Web Mois	Damp	Dry		
Color Light Medium Dark			r & underline modify Brown <u>Black</u>	
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	r & underline modify	ing) lay
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt C	lay
Biological: 1 med %	Debits.	rec_ %	Oil Sheen: None	, , ,
Comments:	in 685 4			
Blological won publishells, t				
	7			
				Amin\Field Forms\0

QUAL	ITATIVE SA	MPLE CHA	RACTERI	STICS	F	age of
Coordinate Datum	3	Date (mm/dd/yy	) Proje	ect Location	Sample Identi Numbe	
		12-12-13	Boeing F	PL2	SD-PER 208	R3
Coordin	ates		Wa	iter Depth		Time
North		East		pth Unit R	8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	17 - /Asi - Jan
197344	12737	794	27	.5 f t	3 0.2 Grab	1519
Penetration  Depth Unit Initials S S Weath  C c m C S S S S S S S S S S S S S S S S S S			al Wood Estir t Points	mate:	_ X 5 =	%
Surficial sediment characteristics:	D. L. L.		/ Oil Sho	None	Trace (<5%)	%
Biological:%	Debris:	tall !	% Oil She	en: None	11ace (<5%)	
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			major & und y Brown	erline modify Black	ring) Other	
Major Constituent Fine Medium Coars	se ,			erline modify	ving) Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel	Sand	Silt C	Clay	
Subsurface sediment characteristics:	- Louis de la constant	\$				
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Mediur	n Dense	Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Mediur	n'stiff co	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	)	Olive Gra	major & und	derline modif Black	ying) Other	
Major Constituent Fine Medium Coar	se	200		derline modif Silt	<b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coar	se	Gravel	Sand	Silt	Clay	
Biological: 17460 %	Debris:	race	% Oil Sh	een: Nor	Trace (<5%	)%
Comments: Biological: NJONM			4		=	
Colonie Karrel						
					*	
March (1996)			<u> </u>			- 11

# SD-PER209-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	F	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identi Numbe	r
		15-15-13	Boeing PL2	SD-PER 209	1 R1
Coordin	nates		Water Depth		Time
North		East	Depth Unit		
197315	12735	84	15.7 f t	0.2 Grab	1242
Penetration  Depth Unit Initials O Weat	her (%)	Surficial Wo	ood Estimate: nts	X5 =	%
Surficial sediment characteristics:					
Biological:%	Debris:	vace %	Oil Sheen: Nor	Trace (<5%)	%
Moisture Very Wet Wel Moist	Damp	Dry			
Color Light Medium Dark		Olive Gray	Brown Black	fying) Other	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modif	f <b>ying)</b> Clay	29
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stif	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		Olive Gray	or & underline modi Brown Black	fying) Other	
Major Constituent Eine Medium Coar	se	(Circle maj Gravel Sand	or & underline modi Silt	i <b>fying)</b> Clay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt	Clay	
Biological:	Debris:	race %	Oil Sheen: No	one Trace (<5%	)%
Comments:  Rust Color in  Centration cal Guer	427	erusorfae		rentang	unit_
BIDISHMS WOVERS			AMEC Proj. BP2 SD-PER209-121		
			QSC Form	≈ <del>-</del>	_
			Initials: $\frac{6}{1}$ Date: $\frac{1}{12}$	/2013 Time: \2	42 =
			Dale. 1	72010 Tillio	
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QUAL	ITATIVE SAM	VIPLE CHARA	CT	ERISTI	CS		Р	age of
Coordinate Datum		Date (mm/dd/yy)		Project Lo	cation	10 TH	Sample Identi Number	
		12-12-13	Воє	eing PL2		SE	PER Zo	5% 2
Coordin	ates			Water D	epth			Time
North		East		Depth	Unit	Rep	Gear	
197316	12735	87		17.3	f t	2	0.2 Grab	1255
Penetration  Depth Unit Initials Surficial sediment characteristics:		Surficial Wo		Estimate:			X 5 =	%
Biological: Trace %	Debris:	ree_%	Oil	Sheen:	Мc	ne	Trace (<5%)	%
Moisture Very Wet Wet Moist  Color Light Medium Dark	180227 ¥	Dry (Circle maj		underline	e mod Black		Other	V V
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	100	underlin Silt	e mod	ifying) Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	i	Silt		Clay		
Subsurface sediment characteristics:  Density / Consistency  Sand / Gravel - Very Loose	Loose	Medium De	nse	De	ense		Very Dense	11
Silt / Clay - Very Soft	Soft	Medium Sti	ff	St	iff		Very Stiff	. Hard
Moisture  Very Wet Wet Moist	Damp	Dry			8	Ç	ZedBn	
Color Light Medium Dark		(Circle ma) Olive Gray	T	underlin own	e mod Black	mymy	Other	ele isol
Major Constituent  Fine Medium Coar	se	(Circle ma Gravel Sand	-	underlir Silt	ie mod	difying Clay		
Minor Constituent with trace Fine Medium Coar	se	Gravel San	d	Silt		Clay		
Biological: 7 %	Dobno	Thee %		il Sheen:	(N	one	Trace (<5%	)%
Comments:								
			-					
								Amin\Field Forms\QSC

QUALI	TATIVE SAMP	LE CHARA	CTERISTICS	3	Pa	ge of
Coordinate Datum		Date (mm/dd/yy)	Project Loca	1	Sample Identifi Number	cation
Occidentate Datam	15	-12-13	Boeing PL2		-PER 209	R3
Coordina	ales		Water Dep	oth		Time
North	Ea	st		Jnit Rep	Gear	
197311	127358	12	1550 f	t   3	0.2 Grab	1310
Penetration  Depth Unit Initials S S S Weath	Fines (%)	Surficial Wo	od Estimate: nts	<del></del>	X 5 = _	%
Surficial sediment characteristics:						0/
Biological:%	Debris: Thu	<u> </u>	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wel Moist	Damp	Dry				
Color Light Medium Dark	Oli		Brown B	modifying) llack	Other	
Major Constituent (Fine Medium Coarso	e Gr	(Circle majo avel Sand	or & underline     Silt	modifying) Clay	7	
Minor Constituent with trace Fine Medium Coars	e Gr	avel Sand	Silt	Clay		- 15-22
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse Den	se	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stil	f Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	0	(Circle maj live Gray	or & underline Brown	modifying Black	Other	
Major Constituent Fine Medium Coars	se G	(Circle maj	or & underline Silt	modifying Clay		W. 11.7 (1.7 (1.7 (1.7 (1.7 (1.7 (1.7 (1.
Minor Constituent with trace Fine Medium Coars	se G	ravel Sand	Silt	Clay		
Biological: Trace %	Debris:	ule_%	Oil Sheen:	None	) Trace (<5%)	%
Comments: Evological: Wor						
			NICOLUMN AND AND AND AND AND AND AND AND AND AN		DECEMBER DECEMBER 2	

## SD-PER210-1213

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Datum		Date (mm/dd/yy)	Project Location		Sample Identification Number	
	15-13-13 B	loeing PL2	SE	PER 210	RI	
Coordin	nates		Water Depth			Time
197087 North		East	Depth Unit	Rep	Gear	
1973948	12739	48	26.7 ft	1	0.2 Grab	1121
Penetration  Depth Unit Initials S S Weat		Surficial Woo Contact Point			X 5 = _	%
Surficial sediment characteristics:						
Biological:%	Debris:	1 MC % C	Dil Sheen:	one	Trace (<5%)	%
<b>Moisture</b> Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			& underline mod Brown Black		Other	
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	& underline mod	<b>ifying)</b> Clay		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt	Clay		
Subsurface sediment characteristics:		100000000000000000000000000000000000000				
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Dense	e Dense		Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	ř.	The second secon	& underline mod Brown Black	. 0700 10707	Other	
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline mod Silt	ifying) Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay	-	,
Biological: Trace %	Debris: +r	ace %	Oil Sheen: No	one	Trace (<5%)	%
Comments: Leaves, grass Warms	SD-F QSC Initia	C Proj. BP2 Perir PER210-1213 Form Is: <u>64 ハ</u> : <u>12 / )3</u> /2013				

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number		
		12-13+13		SD-PER 210 RZ		
(	Coordinates		Water Depth	Time		
North		East	Depth Unit Re	1		
197088	12739	49	28.3 ft 3			
Penetration  Depth Unit Initials S S S S S S S S S S S S S S S S S S S	Weather Section (%)	Surficial Wo	ood Estimate: nts	X5 =%		
Surficial sediment characteristics	:			_		
Biological: Trace	% Debris: +	ul_%	Oil Sheen: None	Trace (<5%)%		
Moisture Very Wet Wet	Moist Damp	Dry		5		
Color Light Medium	Dark	(Circle majo Olive Gray	or & underline modifyir Brown Black	ng) Olher		
Major Constituent Fine Medium	Coarse	(Circle majo Gravel Sand	or & underline modifyin Silt Cla			
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	Silt Cla	ау		
Subsurface sediment characteris	tics:					
Density / Consistency						
Sand / Gravel - Very	Loose Loose	Medium Der	nse Dense	Very Dense		
Silt / Clay - Very	Soft Soft	Medium Stif	Stiff	Very Stiff Hard		
Moisture Very Wet Wet	Moist Damp	Dry				
Color Light Medium	Dark		Brown Black			
Major Constituent Fine Medium	Coarse	(Circle majo Gravel Sand	or & underline modifying Silt Cla	17.		
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	) Silt Cla	ay		
Biological:	% Debris:	%	Oil Sheen: None	Trace (<5%)%		
Crawdad , wor	47		, and the second se			
				Amın\Field Forms\QSC		

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number		
000000000000000000000000000000000000000				SD-PER 210 R3		
C	Coordinates		Water Depth	Time		
North	127.3	East 9 9 5 3	Depth Unit Rep	Gear 0.2 Grab \\5\		
Penetration Penetration Penetration Penetration Penetration Popular Penetration Penetratio	Weather is %		od Estimate:	X5 =%		
Surficial sediment characteristics:	:					
Biological: +race	% Debris: $\frac{+r_0}{}$	ice_%	Oil Sheen: None	Trace (<5%)%		
Moisture Very Wet Wet	Moist Damp	Dry				
Color Light Medium	Dark	Olive Gray	r & underline modifyin Brown Black	g) Other		
Major Constituent Fine Medium	Coarse	(Circle majo Gravel Sand	or & underline modifyin Silt Cla			
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	_ Silt Cla	у		
Subsurface sediment characterist	ics:			- 70000		
Density / Consistency			w.			
Sand / Gravel - Very L	.oose Loose	Medium Den	se Dense	Very Dense		
Silt / Clay - Very S	Soft Soft	Medium Stiff	Stiff	Very Stiff Hard		
Moisture Very Wet Wet	Moist Damp	Dry				
Color Light Medium	Dark	Olive Gray	or & underline modifyin Brown Black	g) Other		
Major Constituent Fine Medium	Coarse	(Circle majo Gravel Sand	or & underline modifyin Silt Cla			
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	Silt Cla	у		
Biological: trace	% Debris:	2%	Oil Sheen: None	Trace (<5%)%		
Comments:						
www.						
Leaves Wind Stick						
710-2116						
1						

# SD-PER230-1213

QUAL	ITATIVE SAN	IPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
18		12-13-13	Boeing PL2	SD-PER 239 K)
Coordin	nates		Water Depth	Time
North		East	Depth Unit Re	989730295
197087	12739	51	28.3 ft	\ 0.2 Grab \ 12 9 7
Penetration  Depth Unit Initials S S Weat	her Lines (%)	Surficial Wo	ood Estimate: nts	%
Surficial sediment characteristics:				
Biological:%	Debris: 10	ac%	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	(		r & µnderline modifyi ⊳Brown Black	ing) Other
Major Constituent  Fine Medium Coars	e e	(Circle majo Gravel Sand	or & underline modifyi	i <b>ng)</b> lay
Minor Constituent with trace Fine Medium Coars	se (	Gravel Sand	) silt c	lay
Subsurface sediment characteristics:		53 SAW SWEEKIN W		
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			or & underline modify Brown Black	
Major Constituent Fine Medium Coars	6 <b>e</b>	(Circle majo Gravel Sand	or & underline modify	ing)
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	) silt c	ilay
Biological: +70.02 %	Debris:	~ <u></u> %	Oil Sheen: None	Trace (<5%)%
Comments: +W19, leaves , 26	-215	QSC Forr Initials:	n	
			97	

QUALITATIVE SAMPLE CHARACTERISTICS Page of							
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number			
		15-13-17	Boeing PL2	SD-PER 230 RZ			
Coordin	ates		Water Depth	Time			
North		East	Depth Unit Re	p Gear			
[9708]	12739	45	28.7 ft 3	2 0.2 Grab 1225			
Penetration  Depth Unit Initials S S Weath	ner Lines	Surficial Wo	nts	X 5 =			
Surficial sediment characteristics:		-					
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)			
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark		(Circle majo Olive Gray	Brown Black	ng) Other			
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modifyin				
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	) Silt Cla	ay			
Subsurface sediment characteristics:				The second secon			
Density / Consistency			*				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense			
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard			
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark		(Circle majo Olive Gray	or & underline modifying Brown Black	ng) Other			
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modifyi				
Minor Constituent with trace Fine Medium Coars	e ,	Gravel Sand	Silt Cl	ay			
Biological: <u>Trace</u> %	Debris:	<u>/</u> %	Oil Sheen: None	Trace (<5%)			
Comments:	~ 6Ps	us RI					
-wirms							

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Pi	age of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identifi Number	cation
		12-13-13	Boeing PL2	SD-PER 230	R3
Coordin	nates		Water Depth		Time
North		East	Depth Unit Re	ep Gear	THILE
197088	1273	943		3 0.2 Grab	1234
Penetration  Depth Unit Initials O Weat	her Kines (%)	Surficial Wo	od Estimate: nts	X 5 = _	%
Surficial sediment characteristics:			_		
Biological:%	Debris:	5%	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			<b>:</b>
Color Light Medium Dark			r & underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & undërline modifyi Silt Cl		
Minor Constituent with trace  Eine Medium Coars	se	Gravel Sand	Silt Cla	ay	
Subsurface sediment characteristics:					
Density / Consistency			v		
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wel Moist	Damp	Dry		ر ا	
Color Light Medium Dark			or & underline modifying Brown Black		
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifying Silt Cla	170	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	) Silt Cla	ay	
Biological: Wale %	Debris:	yu(0 %	Oil Sheen: None	) Trace (<5%)	%
Comments:	Ora )	s, , + wig	js		
		7			Amin\Field Forms\QSC

#### SD-PER211-1213

QUAL	ITATIVE SA	MPLE CHARAC	TERISTICS	Pa	ige of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identifi Number	cation
		12-19-13 B	peing PL2	SD-PER ZII	R1
Coordin	ates		Water Depth		Time
North	100	East	Depth Unit Re	p Gear	
146839	127429	6	24.8 f t 1	0.2 Grab	1301
Penetration  Depth Unit Initials S S Weath  Surficial sediment characteristics:	her (%)	Surficial Wood Contact Points		. X5 = _	%
Biological: Trace %	Debris:	rece % 0	il Sheen: None	> Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			ā.
Color Light Medium Dark		Olive Gray B	underline modifyii own Black	Other	
Major Constituent Fine Medium Coars	e	(Circle major 8 Gravel Sand	k underline modifyii		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sang	Silt Cla	ау	
Subsurface sediment characteristics:	37-32-013-	#3 - \$01;			
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dense	Dense	Very Dense	
Silt / Clay - Very Soft	Soft3	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		Olive Gray B	underline modifying Black	ng) Other	1
Major Constituent Fine Medium Coars	е	(Circle major of Gravel Sand	underline modifyir Silt Cla		
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Cla	ау	,
Biological:%	Debris:	<u> </u>	il Sheen: None	Trace (<5%)	%
Comments:  Biological: Was an Debate + twigs,	meta ^y	QSC I	Proj. BP2 Perin ER211-1213 Form :		
			÷ .		Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHAR	ACTERISTICS		Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Ident	ification er
		15-14-13	Boeing PL2	SD-PER 211	
Coordin	nates		Water Depth		Time
North		East	Depth Unit	Rep Gear	Time
146837	1274		24.9 ft	マ 0.2 Grab	1313
Penetration  Depth Unit Initials S S Weat	her (%)	Surficial W	ood Estimate:	X5 =	%
Surficial sediment characteristics:					9 1 2
Biological: Truck %	Debris:	race %	Oil Sheen: No	ne Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry		ž.	
Color Light Medium Dark		(Circle ma	jor & underline modi Brown Black	fying) Other	
Major Constituent Fine Medium Coars	e	(Circle ma Gravel San	jor & underline modi	f <b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coars	e	Gravel San	d Silt	Clay	
Subsurface sediment characteristics:				A CARRY DESIGNATION	
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium De	ense Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium St	iff Stiff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	<b>*</b>	(Circle ma Olive Gray	jor & underline modi Brown Black	ifying) Other	
Major Constituent Fine Medium Coars	e	(Circle ma Gravel San	jor & underline modi	i <b>fying)</b> Clay	
Minor Constituent with trace Fine Medium Coars	se .	Gravel San	d) Silt	Clay	
Biological: Trace %	Debris:	dZaCe %	Oil Sheen:	one Trace (<5%)	%
Comments:	15	Shell frac	ments.		
0 Telephone 10 10 10 10 10 10 10 10 10 10 10 10 10					
					AND THE RESERVE AND ADDRESS OF THE PARTY OF

QUAL	ITATIVE SAM	PLE CHARA	CTERISTICS	-	Р	age of
Coordinate Datum		Date (mm/dd/yy)	Project Location	San	nple Identii Numbei	
	1	12-19-13	Boeing PL2	SD-PE	R 211	R3
Coordina	ales	**************************************	Water Depth			Time
North		ast	Depth Unit	Rep	Gear	
196840	127420	12	750 f t	3 0.2	Grab	1322
Penetration  Depth Unit Initials O Weath	Fines (%)	Surficial Wo	od Estimate:			
		Contact Poi	nts	Y	5 =	%
12 cm CI   godyd	****			^.	'	
Surficial sediment characteristics:				_		
Biological: Trace %	Debris:	all %	Oil Sheen: No	ne Tra	ace (<5%)	%
Moisture						
Very Wet Wet Moist	Damp	Dry				
Color			or & underline mod	fying)		
Light Medium Dark	0	Olive Gray	Brown Black	Ot	her	
Major Constituent			or & underline mod			
Fine Medium Coarse	e G	Gravel Sand	Silt	Clay		101 / F 101 F
Minor Constituent with trace Fine Medium Coars	e G	Gravel Sand	Sit	Clay		
Subsurface sediment characteristics:				<del>()</del>		
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Ve	ery Dense	
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Ve	ery Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color		(Circle maje	or & underline mod	ifying)		
Light Medium Dark	) c	Olive Gray	Brown Black	01	ther	
Major Constituent Fine Medium Coars	e (	(Circle majo Gravel Sand	or & underline mod	ifying) Clay	8 <u>40 - 14 1100 11 11 11 11 11 1</u>	
Minor Constituent with trace						
Fine Medium Coars	e (	Gravel Sand	Silt	Clay		
Biological:%	Debris:	ec. %	Oil Sheen:	one Tr	ace (<5%)	%
Comments:					***************	***************************************
Blobgrood: Worm		envel +		***		
in the sold from	7 184,764,17.77		Tarin in the second sec			
			340	928		
						2
						<del></del>

#### SD-PER212-1213

QUAL	ITATIVE SA	MPLE CHAR	ACT	ERISTIC	S			Page of
Coordinate Datum		Date (mm/dd/yy)		Project Loc	cation		Sample Iden Numb	
		12-17-13	Во	eing PL2		SE	-PER 218	2 R1
Coordin	ates			Water De	epth			Time
North		East	SPEE SE	Depth	Unit	Rep	Gear	
196821	12741	32		11.8	f t	)	0.2 Grab	1005
Penetration  Depth Unit Initials S S Weath		Surficial V					X 5 =	%
Surficial sediment characteristics:								
Biological: None %	Debris:	race %	Oi	Sheen:	No	ne	Trace (<5%	)%
Moisture Very Wet Wet Moist	Damp	Dry						
Color Light Medium Dark	)	(Circle ma Olive Gray		underline own	mod Black		Other Pa	ed Brown
Major Constituent Fine Medium Coars	e	(Circle ma Gravel San		underline Silt	mod	i <b>fying</b> ) Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel San	nd	Silt		Clay		
Subsurface sediment characteristics:								
Density / Consistency								
Sand / Gravel - Very Loose	Loose	Medium D	ense	) De	nse		Very Dense	e
Silt / Clay - Very Soft	Soft	Medium S	tiff	Sti	ff		Very Stiff	Hard
Moisture Very Wel Wel Moist	Damp	Dry						
Color Light Medium Dark	3	(Circle ma Olive Gray	ajor 8 Bi	k underline rown	Black	lifying	Other R	ed brown
Major Constituent Fine Medium Coars	se	(Circle m Gravel Sar		underline Silt	e mod	lifying Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sar	nd	Sill		Clay		
Biological:%	Debris: 1	acc %	0	il Sheen:	Q	one)	Trace (<5%	%)%
Comments: Scale Name	8			***************************************				
1-000 1000	eave.	SE QS	)-PE SC F tials	Proj. BP R212-12 Form : 63 \( \)	213		<b>1</b>	2 =
							S.	

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page	of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
		15-17-13	Boeing PL2	SD-PER 2/2 12	
Coordin	nates		Water Depth	Tin	ne
North		East	Depth Unit Re	p Gear	
196819	12741	29	11.1 ft 2	- 0.2 Grab   1 0 1 5	3
Penetration  Depth Unit Initials O  Weat	her Eines	Surficial Wo	ood Estimate: nts	X 5 =	%
Surficial sediment characteristics:					
Biological: Trace %	Debris:	Trace %	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	3	(Circle majo Olive Gray	or & underline modifyir Brown Black	Other Red have	more.
Major Constituent Fine Medium Coars	se	(Circle majo	or & underline modifyir Silt Cla		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	ay	
Subsurface sediment characteristics:				2000	
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff H	ard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	3	(Circle majo Olive Gray	or & underline modifyir Brown Black	Other Red lor	- No No.
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifyin Silt Cla		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Sill Cla	ay	
Biological:%	Debris:	race %	Oil Sheen: None	3 Trace (<5%)	%
Comments: Biological worn					
					_
				*	
	L-SITE LAND CONTRACTOR OF THE STATE OF THE S				

QUAL	ITATIVE SA	MPLE CHARA	CTERISTI	cs		Pa	ige of
Coordinate Datum		Date (mm/dd/yy)	Project Lo	cation		Sample Identifi Number	cation
		12-17-13	Boeing PL2		SD	-PER 212	R3
Coordin	nates		Water D	enth			Time
North		East	Depth	Unit F	Rep	Gear	Time
196826	12741	28	10-8	f t	4	0.2 Grab	1028
Penetration  Depth Unit Initials S S Weath	her Kines	Surficial Wo	ood Estimate: nts		_	X 5 = _	%
Surficial sediment characteristics:  Biological:	Debris: T	all %	Oil Sheen:	Non	ie	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark		(Circle majo Olive Gray	r & underline Brown	modify Black	ying)	Other Red	bustan
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	r & underline		<b>ying)</b> Clay	<b>2</b>	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt	) (	Clay	-	
Subsurface sediment characteristics:							
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Medium Den	se) De	nse .		Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Sti	ff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark	Č		or & underline Brown		ying)	Other Person	815 58
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline Silt		<b>ying)</b> Clay		
Minor Constituent with trace							
Fine Medium Coars	е	Gravel Sand	Silt	) (	Clay		
Biological:	Debris: TT	ace %	Oil Sheen:	Non	ne	Trace (<5%)	%
Comments:	on ora	side					
122013 11003 110				***			
	# ### - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	<del></del>	va <del>semana ca</del>				5. <u>17. 2835 535</u> 4
			COOKES-HARRY - TV	<u> </u>			
						escellin in i	write:

## SD-PER213-1213

QUAL	ITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-17-13 B	Soeing PL2	SD-PER 213 &1
Coordin	nates		Water Depth	Time
North		East	Depth Unit Rep	
196676	12743	79	23_4 f t	0.2 Grab 930
Penetration  Depth Unit Initials O Weat	her Kines (%)	Surficial Woo Contact Point		X 5 =%
Surficial sediment characteristics:	- 1			
Biological:%	Debris:	Thee % C	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Web Moist	Damp	Dry		
Color Light Medium Dark			& underline modifying Brown Black	g) Other
Major Constituent Fine Medium Coars	е	(Circle major Gravel Sand	& underline modifying Silt Clay	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:	And An Especia			
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Dense	Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			& underline modifying Brown Black	g) Other
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	& underline modifying	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Clay	,
Biological: Trace %	Debris:	ruel_%	Oil Sheen: None	Trace (<5%)%
Comments: Ecologial Worms Debrit Strales, Sh	ells, le	SD-P	C Proj. BP2 Perim ER213-1213 Form Is: 64 5 : 12 / 17 /2013	97.0
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QUAL	ITATIVE SAM	MPLE CHARACT	ERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number 213 R2
		12-17, 13 Bo	eing PL2	SD-PER 213 R1
Coordin	nates		Water Depth	Time
North		East	Depth Unit Rep	
196679		79	23.2 f t 2	0.2 Grab 939
Penetration  Depth Unit Initials O Weat		Surficial Wood Contact Points		X 5 =%
Surficial sediment characteristics:	/			
Biological: Trace %	Debris:	race % oi	Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	,		underline modifying own Black	g) Other
Major Constituent Fine Medium Coars	se	(Circle major & Gravel Sand	Silt Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Clay	y
Subsurface sediment characteristics:  Density / Consistency  Sand / Gravel - Very Loose	Loose	Medium Dense	Dense	Very Dense
Silt / Clay - Very Soft	(Soft)	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle major 8 Olive Gray) B	underline modifyin rown Black	
Major-Constituent Fine Medium Coar	se	(Circle major of Gravel Sand	& underline modifyin Silt Cla	
Minor-Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt Cla	у
Biological:%	Debris:	, , , , , , , , , , , , , , , , , , ,	il Sheen: None	Trace (<5%)%
Comments:	ves, tone			
				Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-17-13	Boeing PL2	SD-PER 213 R3
Coordin	ates		Water Depth	Time
North		East	Depth Unit Re	1 1
14668)	12743	୪୦	24.2 f t 3	0.2 Grab 950
Penetration  Depth Unit Initials S S Weath		Surficial Wo Contact Poir	od Estimate: nts	X 5 =%
Surficial sediment characteristics:				
Biological: Trace %	Debris:	Tall %	Oil Sheen: None	%
Moisture Very Wet Wet Moist	Damp	Dry		260
Color Light Medium Dark			r & underline modifyir Brown Black	Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modifyin	
Minor Constituent with trace Eine Medium Coars	e	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	}		r & underline modifyir Brown Black	ng) Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modifyir Silt Cla	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	ау
Biological:%	Debris:		Oil Sheen: None	Trace (<5%)%
Comments: Biologial Warm	2		<u> </u>	
Debus leaves, to	NIJE			
	***************************************			Amin\Field Forms\QSC

# SD-PER301-1213

QUAL	ITATIVE SAI	MPLE CHARA	CTERISTIC	S	Pa	ge of
Coordinate Datum		Date (mm/dd/yy)	Project Loc	cation	Sample Identifi Number	cation
		15-13-13	Boeing PL2	s	D-PER 301	RI
Coordin	nates		Water De	epth		Time
North		East		Unit Rep	Gear	07
196 480	1274	641	27,1	ft	0.2 Grab	1301
Penetration  Depth Unit Initials O Weat  C m C m		Surficial W Contact Po	ood Estimate: ints		X 5 = _	%
Surficial sediment characteristics:	-					
Biological:%	Debris:	ale %	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle maj Olive Gray	or & underline Brown	modifying Black	Other	
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline	modifying Clay		
Minor Constituent with trace Fine Medium Coars	6e	Gravel Sand	Silt	Clay		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	ense De	nse .	Very Dense	
Silt / Clay - Very Soft	Soft	Medium St	iff Sti	ff	Very Stiff	Hard
Moisture Very Wet Wet Mois	t Damp	Dry				
Color Light Medium Dark		(Circle ma Olive Gray	jor & underline Brown		g) Other	
Major Constituent Fine Medium Coar	se	(Circle ma Gravel San	ijor & underlind d Silt	e modifyin Cla )		Al-Maria de la Carta de la
Minor Constituent with trace Fine Medium Coal	se.	Gravel San	d) Silt	Cla	у	
Biological: Truce %	Debris:	rae %	Oil Sheen:	None	Trace (<5%)	%
Comments: Shells, leave >	n d			-		
worms, grass			MUSE SHIER IS WAS S			
		QS(	PER301-12 PER301-12 PForm als: 63 N	13	*	
			12/13	/2013 Ti	me: 13 = 1	- IField Forms\QSC

QUA	LITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-13-13	Boeing PL2	SD-PER 301 RZ
Coord	inales		Water Depth	Time
North		East	Depth Unit R	ep Gear
196478	12746	,37	25-) f t	Z 0.2 Grab 13/3
Penetration  Depth Unit Initials S S West Surficial sediment characteristics:	sther (%)	Surficial Wo	ood Estimate: ints	_ X 5 =%
Biological:%	Debris:	ace %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Mois	t Damp	Dry		
Color Light Medium Dark	K	(Circle majo Olive Gray	Brown Black	ing) Other
Major Constituent Fine Medium Coa	rse	(Circle majo Gravel Sand	or & underline modifying Silt C	ing) lay
Minor Constituent with trace Fine Medium Coa	rse	Gravel Sand	Silt C	lay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Mois	at Damp	Dry		a med volumes sections
Color Light Medium Dari	τ.	Olive (Circle majo	or & underline modify Brown Black	ing) Other
Major-Constituent  Eine Medium Coa	rse	(Circle majo Gravel Sand	or & underline modify	ing) lay
Minor Constituent with trace Fine Medium Coa	rse	Gravel Sand	) Silt C	lay
Biological: //ace%	Debris:	vace%	Oil Sheen: None	Trace (<5%)%
Comments:	\	shell debric	3	
1000				
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			105 25750 3000 1000 1000 1000	
		W		Amin\Field Forms\QSC

QUALITAT	TIVE SAMPLE	CHARACT	ERISTICS	Pag	e of
Coordinate Datum	1 1 12 12	Date n/dd/yy)	Project Location	Sample Identifica Number	ation
	12-17			SD-PER 301	R3
Coordinates			Water Depth		Time
North	East		Depth Unit Rep		
196477	1274644		27-0 f t 3	0.2 Grab	1356
Penetration  Depth Unit Initials S S Weather  C m S S S S S S S S S S S S S S S S S S	18.0	urficial Wood ontact Points	Estimate:	X 5 =	%
Surficial sediment characteristics:  Biological: % Debri	is: trace	% Oil	Sheen: None	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp Dry				
Color Light Medium Dark	Olive (		underline modifyin Black	g) Other	
Major Constituent Fine Medium Coarse	(Gravel	Circle major & Sand	underline modifyin Silt Cla		
Minor Constituent with trace Fine Medium Coarse	Gravel	Sand	Silt Cla	у	
Subsurface sediment characteristics:			N		
Density / Consistency	en en en				
Sand / Gravel - Very Loose	Loose N	Medium Dense	Dense	Very Dense	
Silt / Clay - Very Soft	Soft M	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp Dry				
Color Light Medium Dark			underline modifyin own Black		
Major Constituent Fine Medium Coarse	( Gravel	Circle major & Sand	underline modifyin Silt Cla		
Minor Constituent with trace Fine Medium Coarse	Gravel	Sand	Silt Cla		
Biological:% Debr	ris:	% Oi	I Sheen: None	/ Trace (<5%)	%
Comments:		=			
- k					
	78. TOX 12. TOX 10. TOX 10. TOX				

## SD-PER302-1213

ATIVE SAMPLE C	HARACTERISTIC	cs	Page	e of
	NOS		Sample Identifica Number	tion
			PER JOZ	RI
3	Water De	epth		Time
East	Depth	Unit Rep	Gear	
1274776	24.9	f t \	0.2 Grab	108
126			X 5 =	%
oris: Tau	% Oil Sheen:	None	Trace (<5%)	%
Damp Dry		1		
			Other	
(Cir Gravel	cle major & underline Sand	modifying) Clay		
Gravel	Sand Silt	Clay	g	
		* 8		
Loose Med	dium Dense Dei	nse	Very Dense	
Soft Med	dium Stiff Stif	f	Very Stiff	Hard
Damp Dry				
			Other	
(Ciı Gravel	rcle major & underline Sand Silt	modifying) Clay		
Gravel	Sand Silt	Clay	<del></del>	
bris: Trace	% Oil Sheen:	None	Trace (<5%)	%
twigs, shell	AMEC Proj. SD-PER302 QSC Form Initials: 63	2-1213		
	Date (mm/d)    Carlor     Carlor	Date (mm/dd/yy) Project Lot (mm/dd/yy) Boeing PL2  Sufficial Wood Estimate: Contact Points  Damp Dry (Circle major & underline Gravel Sand Silt (	Date (mm/dd/yy) Project Location SD-PER302-1213 QSC Form Initials: 53 One SD-PER302-1213 QSC Form Initials: 54 One SD-P	Date (mm/dd/yy) Project Location Sample Identifican Number   Numbe

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum	3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	Date (mm/dd/yy)	Project Location	Sample Identification Number
		13-16-43	Boeing PL2	D-PER JOS RZ
Coordin	nates		Water Depth	Time
North		East	Depth Unit Rep	
196413	12747	79	76.2 ft 2	0.2 Grab 813
Penetration  Depth Unit Initials S S Weat		Surficial Wo	od Estimate: nts	X 5 =%
Surficial sediment characteristics:	<i>*</i>			
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	3	Olive Gray	r & underline modifying Brown Black	Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modifying Silt Clay	
Minor Constituent-with trace Fine Medium Coars	se	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:		*	V-X-1	****
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	>		Brown Black	g) Other
Major-Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & underline modifying Silt Clay	E-87
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Clay	,
Biological: Trace %	Debris:	Tree %	Oil Sheen: None	Trace (<5%)%
Comments: Scalogical: Shrin	AP, WOLL			
Demal tungs, lear				
8-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1				
		D-1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -		
	.h.V			
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QUAL	ITATIVE SA	MPLE CHARA	CTERIST	ICS	F	Page of
Coordinate Datum		Date (mm/dd/yy)	Project l	ocation	Sample Identi Numbe	
		12-16-13	Boeing PL2		SD-PER 3	583°
Coordin	nates		Water	Depth		Time
North		East	Depth			
196409	12747	76	28.8	f t J	0.2 Grab	824
Penetration  Depth Unit Initials S S Weat  O c m C S Surficial sediment characteristics:	her Sine %	Surficial Wo		e:	X 5 =	%
Biological: Trall %	Debris:	Tace %	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	Brown	ne modifyir Black	Other	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underlin	ne modifyir Cla		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt	Cla	ay	
Subsurface sediment characteristics:		10 to	)			
Density / Consistency			21			
Sand / Gravel - Very Loose	Loose	Medium Der	ise D	ense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	S	tiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	or & underli Brown	ne modifyii Black	ng) Other	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underli Silt	ne modifyii Cla		
Minor-Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Cla	ay	
Biological: Trace %	Debris:	race %	Oil Sheen:	None	Trace (<5%)	%
Comments: Biological worms	elle, to	Jig S				
sort was lost dur	Doja je	rvious gra		CIEN	Suspects	21115
					73530	
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## SD-PER303-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS		Pageof
Coordinate Datum		Date (mm/dd/yy)	Project Location		e Identification Number
		12-16-13	Boeing PL2		303 R1
Coordin	nates		Water Depth	T	Time
North		East		Rep Ge	1
196261	12748		15-8 ft		A
Penetration  Depth Unit Initials S Weat  O c m Surficial sediment characteristics:	her il (%)	Surficial W Contact Po	ood Estimate: ints	X 5	=%
				_	
Biological: Trace %	Debris:	vall %	Oil Sheen: N	one Trace	(<5%)%
Moisture  Very Wet Wel Moist	Damp	Dry			
Color Light Medium Dark			or & underline mod Brown Black		A
Major Constituent Fine Medium Coars	:e	(Circle maj Gravel Sand	or & underline mod	lifying) Clay	kengga -
Minor Constituent with trace Fine Medium Coars	;e	Gravel Sand	Silt	Clay	
Subsurface sediment characteristics:		B			
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very [	Dense
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very S	Stiff Hard
Moisture Very Wet Wel Moist	Damp	Dry			
Color Light Medium Dark	>		or & underline mod Brown Black		
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline mod	difying) Clay	
Minor Constituent with trace			The same of the sa		
Fine Medium Coars	e	Gravel Sand	<u>l</u> Silt	Clay	
Biological:	Debris:	race %	Oil Sheen:	one Trace	(\$5%)%
Comments: Biological INDONS Delonin leaves		S S	MEC Proj. BP2 F D-PER303-1213 SC Form hitials: 65 \triansless	Perimeter	- 548 <u> </u>
		710000000000000000000000000000000000000			

QUAL	ITATIVE SAI	MPLE CHARA	CTERISTICS	Page	of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
		15-18-13	Boeing PL2	SD-PER 303 RZ	
Coordin	ates		Water Depth	Tim	ie.
North		East	Depth Unit Re		
196260	12748	49		2 0.2 Grab \$57	
Penetration  Depth Unit Initials S S Weat  [O c m ] Value    O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O c m   Value   O		Surficial W Contact Po	ood Estimate: ints	X5 =	%
Surficial sediment characteristics:					2
Biological: Trace %	Debris:	tall %	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			or & underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modifyi		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	1 Silt CI	ay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very Stiff Ha	ard
Moisture  Very Wet Wet Moist	t Damp	Dry			
Color Light Medium Dark	Č		or & underline modifyi Brown Black		4
Major Constituent Fine Medium Coan	se	(Circle ma Gravel Sand	jor & underline modifyi	ng) ay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt C	ay	
Biological:	Debris: Tra	m%	Oil Sheen: None	Trace (<5%)	%
Comments: Trace Bidogical: u Debns: leducs, two					
	7				

QUAL	ITATIVE SA	MPLE CHARA	CTERISTIC	S	Pa	age of
Coordinate Datum		Date (mm/dd/yy)	Project Loc	cation	Sample Identifi Number	
		12-16-13	Boeing PL2	S	D-PER 300	3 R3
Coordir	ates		Water De	epth		Time
North		East	Depth	Unit Rep	Gear	
196259	127485	51	14.8	f t 3	0.2 Grab	910
Penetration  Depth Unit Initials S S Weat	her Lines (%)	Surficial W Contact Po	ood Estimate: pints		X 5 =	%
Surficial sediment characteristics:					-	
Biological: trace %	Debris:	ruoc %	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			or & underline Brown I	modifying Black	Other	
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underline	modifying Clay	-///	
Minor-Constituent with trace Fine Medium Coars	e	Gravel Sand	1 Silt	Clay	E	
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse Der	ise	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Ţ.	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	5		jor & underline ) Brown		Other	
Major Constituent Fine Medium Coars	se	(Circle maj	jor & underline	modifying Clay	150	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	d Silt	Clay		
Biological:%	Debris:	rec_%	Oil Sheen:	None	Trace (<5%)	%
Debrie two	-5			46		
2						
			1 11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		NA GREENING	
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## SD-PER304-1213

#### Sample for station SD-PER304, new sample ID assigned to avoid confusion with mislabeled sample

QUA	LITATIVE SA	MPLE CHARA	CTERISTICS	Pa	ge of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identific	cation
		12-20-17	Boeing PL2	SD-PER 314	R
Coordi	nates		Water Depth		
North		East	Depth Unit R	on Coas	Time
196194	1275	5025	22.8 f t		1248
Penetration Depth Unit Initials Wea	ther (%)		ood Estimate:	X 5 =	%
Surficial sediment characteristics:  Biological: %	Dalada				
Moisture  Very Wet Wet Moist		Dry	Oil Sheen: None	Trace (<5%)	%
Color Medium Dark	Samp	(Circle majo	r & underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coars	e ·	(Circle major Gravel Sand	r & underline modifyi		
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt CI:	ay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose Silt / Clay - Very Soft	Loose	Medium Dens	se Dense Stiff	Very Dense	
Moisture Very Wet Wet Moist	Damp	Dry	Sun	Very Stiff	Hard
Color Light Medium Dark		(Circle major Olive Gray	& underline modifyir Brown Black	ng) Other	
Major Constituent Fine Medium Coarse	э	<b>(Circle major</b> Gravel Sand	& underline modifyir Silt Cla		2230
Minor Constituent with trace Fine Medium Coarse	9	Gravel Sand	Silt Cla		
Biological: 1 rank %	Debris:	<u> </u>	Oil Sheen: None	Trace (<5%)	%
Comments:	<b>.</b>				
Brown streets, to	gin 681	AIMEU PR SD-PER QSC Form Initials: Date:	6>1 m	=	
					\Field Forms\QSC

QUAI	ITATIVE SA	MPLE CHARA	CTERISTIC	S	Р	age of
Coordinate Datum		Date (mm/dd/yy)	Project Loc	ation	Sample Identif	
		15-52-13	Boeing PL2		D-PER 3	4 123
Coordi	nates	Ti we a Period of	Water De	pth	201 201 2012	Time
North		East		Unit Rep	Gear	
196195	127502	<u>. l</u>	21.8	ft Z	0.2 Grab	1304
Penetration  Depth Unit Initials Weat		Surficial Wo	ood Estimate: ints	; =1 <del>22-22-12</del> ,	X 5 =	%
Surficial sediment characteristics:						
Biological: Tracc %	Debris:	Trace %	Oil Sheen:	None	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	Brown E	<b>modifying</b> Black	Other	100 M _ 4 1 4 M   100 M
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline Silt	<b>modifying</b> Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Der	nse Den	ise	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	f Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle majo	or & underline Brown	modifying Black	Other	- 10 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & underline Sill	modifying Clay	535	
Minor Constituent with trace	se	Gravel Sand	Silt	Clay	<i>'</i>	
Biological: Trace %	Debris:	Trace %	Oil Sheen:	None	Trace (<5%)	%
Comments: Biologica (worms Debys: leaves						
market south and a second second	CONTRACTOR TO LICENSES A		94 (3/30/2017) (33/30/2017)		SOL OF CHARLEST	Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS		P	age of
Coordinate Datum		Date (mm/dd/yy)	Project Location	on	Sample Identii Number	
		12-20-17	Boeing PL2		D-PER 3	4 9 3
Coordin	ates	A CONTRACTOR OF THE CONTRACTOR	Water Depth	T		Time
North		East		t Rep	Gear	Time
196193	12750	28	35 -	1 3	0.2 Grab	1314
Penetration  Depth Unit Initials S S S Weath	ner Eines	Surficial Woo			X 5 =	%
Surficial sediment characteristics:						
Biological: Treece %	Debris:	rocce %	Oil Sheen:	lone	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			& underline mod Brown Black		Other	
Major Constituent Fine Medium Coarse	e	(Circle major Gravel Sand	& underline mod Silt	difying Clay	)	
Minor Constituent with trace Fine Medium Coarse	9	Gravel Sand	Silt	Clay		
Subsurface sediment characteristics:		<del></del>				
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Dens	e Dense	¥	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Mois	Damp	Dry				
Color Light Medium Dark		(Circle major Olive Gray E	& underline mod Brown Black	difying)	Other	
Major-Constituent (Fine Medium Coarse	)	(Circle major Gravel Sand	& underline mod	<b>lifying)</b> Clay		
Minor Constituent with trace Fine Medium Coarse	1	Gravel Sand	Silt	Clay	:	
Biological: Trace %	Debris:	nee %	Dil Sheen:	one	Trace (<5%)	%
Comments: Biological word		ave;				
AMEC 2500.40	int or own o					Amin\Field Forms\QSC

## SD-PER305-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of	
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
and the second s		15-16-13	Boeing PL2	SD-PER 305 RI	
Coordir	nates		Water Depth	Time	
North		East	Depth Unit Re		
196039	12700	16	15.5 ft 1	0.2 Grab	
Penetration  Depth Unit Initials O Weat  c m Weat  Surficial sediment characteristics:	her iii (%)	Surficial Wo	ood Estimate: nts	X 5 =%	
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)%	
Moisture  Very Wet WeD Moist	Damp	Dry			
Color Light Medium Dark			Brown Black	ng) Other	
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	or & underline modifyin		
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Cla	ау	
Subsurface sediment characteristics:		- (J. 740-140-140)			
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard	
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			or & underline modifying Brown Black		
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modifying Silt Cla		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	ау	
Biological: Thu %	Debris:	race %	Oil Sheen: None	Trace (<5%)%	
Comments: Bulograd: words		Date.	13	2)	
		meet sampi		Amin\Field Forms\QSC	

QUALITATIVE SAMPLE CHARACTERISTICS Page of							
Coordinate Datum		Date (mm/dd/yy)	Project Lo	Project Location		Sample Identification Number	
		12-16-13	Boeing PL2	SI	D-PER 305	85	
Coordi	nates		Water D	Depth		Time	
North		East	Depth	Unit Rep	Gear		
196043	12750	96		f t 2	0.2 Grab	1035	
Penetration  Depth Unit Initials  Weat		Surficial W	Vood Estimate oints 	:	X5 = _	%	
Surficial sediment characteristics:				10.3		*	
Biological: Trace %	Debris:	Trace %	Oil Sheen:	None	Trace (<5%)	%	
Moisture Very Wet Wet Moist	Damp	Dry			2		
Color Light Medium Dark		Olive Gray	jor & underlin Brown	e modifying) Black	Other		
Major Constituent Fine Medium Coars	se	(Circle ma Gravel San	ijor & underlin d Silt	e modifying) Clay			
Minor Constituent with trace Fine Medium Coars	6e	Gravel San	d Silt	Clay			
Subsurface sediment characteristics:							
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Medium D	ense De	ense	Very Dense		
<u>Silt / Clay -</u> Very Soft	Soft	Medium SI	liff St	iiff	Very Stiff	Hard	
Moisture Very Wet Wet Mois	Damp	Dry					
Color Light Medium Dark	)	(Circle ma Olive Gray	ajor & underlin Brown	e modifying Black	Other	-	
Major-Constituent (Fine Medium Coar	se	(Circle ma Gravel San	ajor & underlin	ne modifying Clay			
Minor Constituent with trace Fine Medium Coar	se	Gravel Sar	Silt	Clay	3 <del>0.7</del> 10000000		
Biological:%	Debris:	race %	Oil Sheen:	None	7 Trace (<5%)	%	
Comments: Debned: Plant mat	8						
			<del></del>			Amin\Field Forms\QSC	

OLIALITATIVE CAMPLE CHARACTERISTICS							
QUALITATIVE SAMPLE CHARACTERISTICS Page of							
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number			
		12-16-13	Boeing PL2	SD-PER 305 R3			
Coordinates			Water Depth	T was			
North	o o y di il di di	East	Depth Unit Re	Time p Gear			
196042	1275	100	15.2 ft 3				
Penetration 8	W	Surficial Wo	ood Estimate:				
Penetration  Depth Unit Initials OO	Weather (%)	Contact Poi					
	cl-md of	o o i i do ci i o i		X 5 = %			
Surficial sediment characteristics	:						
Biological: Trace	% Debris:	Tree %	Oil Sheen: None	Trace (<5%) %			
Moisture		, , , , , , , , , , , , , , , , , , ,	3.00				
	Moist Damp	Dry					
Color		(Circle majo	r & underline modifyir	g)			
Light Medium	Dark	Olive Gray	Brown Black	Other			
Major Constituent Fine Medium	Coarse	(Circle majo Gravel Sand	r & underline modifyir				
Minor Constituent with trace  Fine Medium	Coarse	Gravel Sand	Silt Cla	у			
Subsurface sediment characterist	ics:			Name of the second seco			
Density / Consistency							
Sand / Gravel - Very L	oose Loose	Medium Den	se Dense	Very Dense			
Silt / Clay - Very S	Soft Soft	Medium Stiff	Stiff	Very Stiff Hard			
Moisture Very Wet Wet	Moist Damp	Dry					
Color		(Circle majo	r & underline modifyin	g)			
Light Medium	Dark )	Olive Gray	Brown Black	Other			
Major Constituent Fine Medium	Coarse	(Circle majo Gravel Sand	r & underline modifyin Silt Cla				
Minor Constituent with trace							
Fine Medium	Coarse	Gravel Sand	Silt Cla	у			
Biological:	% Debris:	race %	Oil Sheen: None	) Trace (<5%)%			
Comments: 12 Diagral: Worms							
Delavisy traves	10 4mols	<u> </u>					
	7			202			
		100					

# SD-PER306-1213

QUAL	ITATIVE SA	MPLE CI	HARACT	ERISTIC	S	Pa	age of
Coordinate Datum		Date (mm/dd	E	Project Loca		Sample Identifi Number	cation
	Salle da	12-19-	13 Bo	eing PL2	SE	0-PER 306	RI
Coordin	nates			Water De	oth		Time
North		East			Jnit Rep	Gear	
196013	1275	279	10-10-10-	24.9		0.2 Grab	1352
Penetration  Depth Unit Initials S S Weath	her Eines (%)		icial Wood tact Points		(a)	X 5 = _	%
Surficial sediment characteristics:  Biological:%	Debris:	4 08	_% <b>O</b> il	I Sheen:	None	Trace (<5%)	%
Moisture Very Wet WeD Moist	Damp	Dry					
Color Light Medium Dark				underline r	<b>nodifying)</b> lack	Other	
Major Constituent Fine Medium Coars	е	(Circ Gravel	cle major & Sand	underline r	<b>nodifying)</b> Clay		
Minor Constituent with trace Fine Medium Coars	e	Gravel	Sand	Silt	Clay	-	
Subsurface sediment characteristics:		3210	3072 - WRIT - 3.110	**************************************	MI WHO SHAP		
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Medi	um Dense	Dens	e .	Very Dense	
Silt / Clay - Very Soft	Soft	Medi	um Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark				underline r own B			
Major Constituent Fine Medium Coars	e	(Circ Gravel	cle major & Sand	underline r	<b>nodifying)</b> Clay		
Minor Constituent with trace Fine Medium Coars	е	Gravel	Sand	Silt	Clay		
Biological:%	Debris:	5	_% Oil	I Sheen:	None	Trace (<5%)	%
Comments: Hz S SMOU		***************************************		***************************************			
BIOLONICOU. WOMENS SINGLE FROM	pression to	west	SD-PER: QSC For Initials:	CIM			
			Dale. LE	_/_\\\/2	013 Tim	e: <u>13 52</u>	Amin\Field Forms\QSC

QUA	LITATIVE SA	MPLE CHARA	CTERISTICS	Page	e of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identifica Number	ition
		12-19-13	Boeing PL2	SD-PER 306 1	22 RHG
Coordi	nates		Water Depth		Time
North		East	Depth Unit R	lep Gear	rane
196010	1275	276			403
Penetration  Depth Unit Initials O Weat  C m C Weat  Surficial sediment characteristics:	her III (%)	Surficial Wo	ood Estimate: ints	_ X 5 =	%
Biological:	Debris:	2 %	Oil Sheen: None	Trace (<5%)	%.
Moisture Very Wet Wet Moist	Damp	Dry		5 July 40 75 I	
Color Light Medium Dark	3	Olive Gray	or & underline modify Brown Black	Other	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modify	ing) lay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	ilay	
Subsurface sediment characteristics:					10
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	ise Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	3	(Circle majo Olive Gray	Brown Black	Other	J. 1880
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modify	i <b>ng)</b> lay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	lay	
Biological:%	Debris:	Tall %	Oil Sheen: None	Trace (<5%)	%
Comments: Biological worm Debuts twigs, she	E Fragu	rents			
AMEC 2500 1	OUT OF CIVI C	1 004 1	4 M/A 00027 (42E)	Ami	n\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-19-13	Boeing PL2	SD-PER 306 R3 RV
Coordin	nales		Water Depth	Time
North		East	Depth Unit F	
196017	12752	76	25-8 f t	3 0.2 Grab )4 16
Penetration  Depth Unit Initials S S Weat		Surficial W Contact Po	ood Estimate: ints	X 5 =9
Surficial sediment characteristics:		S	Company and the Control of the Contr	Million All
Biological: Truel %	Debris:	%	Oil Sheen: Non	e Trace (<5%)9
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	5	Olive Gray	or & underline modify Brown Black	other
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modify	ving) Clay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	Clay
Subsurface sediment characteristics:	44	(*)		100000
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Sti	f Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			or & underline modify Brown Black	
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modify	ying) Clay 
Minor Constituent with trace	se	Gravel Sand	i Silt (	Clay
Biological:%	Debris:	%	Oil Sheen: Non	Trace (<5%)
Comments:  Brown Shell from	guille,	twige,	emses	

# SD-PER307-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Pageo	f
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
		12-16-13	Boeing PL2	SD-PER 397 R/1	RU
Coordin	ates		Water Depth	Time	
North		East	Depth Unit R		
195870	12752	273	16_2 f t	0.2 Grab 1225	
Penetration  Depth Unit Initials O S Weath	ner Hines	Surficial Wo	ood Estimate: ints	X5 =	%
Surficial sediment characteristics:					
Biological: Trace %	Debris:	rale %	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle majo	or & underline modify Brown Black	ing) Other	
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	or & underline modify	ing) lay	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt C	lay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	ise Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard	d
Moisture Very Wet Wel Moist	Damp	Dry			
Color Light Medium Dark			Brown Black		
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modify	ing) lay	476-90-00
Minor Constituent with trace Fine Medium Coarse	e	Gravel Sand	Silt C	lay	
Biological: 1 race %	-	** %	Oil Sheen: None	Trace (<5%)	_%
Comments:					
carries , haves th	1.95	An	MEU Proj. BP2 Pe )-PER307-1213	P	_
		QS	C Form	illneter ———————————————————————————————————	_
			als: ESIA	1934	_
		Dat	e: 12 /16 /201	3 Time: 1225	
				- 1me: 1225	-
	22 C			ald Form	ns\QSC

QUALITA	TIVE SAI	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-16-13 E		SD-PER 301 RZ
Coordinates			Water Depth	Time
North		East	Depth Unit Rep	Gear
195867	1275	269	12.7 ft2	. 0.2 Grab 12 38
Penetration  Depth Unit Initials S S Weather  C m C Surficial sediment characteristics:	Fines (%)	Surficial Woo Contact Point		X 5 =%
Biological: Trace % Debr	ris: T	ner %	Dil Sheen: None	Trace (<5%)%
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	8		& underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coarse		(Circle major Gravel Sand	& underline modifyin Silt Cla	~.
Minor Constituent with trace Fine Medium Coarse		Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:			28.007 FC	9.0 d ddw
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Dense	Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wef Moist	Damp	Dry		
Color Light Medium Dark			& underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coarse		(Circle major Gravel Sand	& underline modifyin Sili Cla	
Minor Constituent with trace Fine Medium Coarse		Gravel Sand	Silt Cla	у
Biological: % Debr	ris: 17	~ ~ ~ · · ·	Dil Sheen: None	Trace (<5%)%
Delensis twiss shall	0/00.			
	3.42			
				Amin\Field Forms\QSC

QUA	LITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum	33 E 31 E	Date (mm/dd/yy)	Project Location	Sample Identification Number
	3/1/100 1-20/100			D-PER 307 R3
Coord	inates		Water Depth	Time
North		East	Depth Unit Rep	Gear
195865	12752	2.70	138 f t 3	0.2 Grab 1249
Penetration  Depth Unit Initials S > Weat   2   c m   C   Surficial sediment characteristics:	ather Line %	Surficial Woo Contact Poin		X 5 =
Biological:%	Debris:	TACL %	Oil Sheen: None	Trace (<5%)
Moisture  Very Wet Wet Mois	t Damp	Dry		*
Color Light Medium Dark	000		& underline modifying Brown Black	Other
Major Constituent Fine Medium Coa	·se	(Circle major Gravel Sand	& underline modifying Silt Clay	
Minor Constituent with trace Fine Medium Coa	·se	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:	Productive States of the State		TO REPLACE FOR A STATE	0.5
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Mois	st Damp	Dry		
Color Light Medium Darl	ð ,		<b>&amp; underline modifying</b> Brown Black	Other
Major Constituent Fine Medium Coa	rse	(Circle major Gravel Sand	r & underline modifying Sill Clay	
Minor Constituent with trace Fine Medium Coa	rse	Gravel Sand	Silt Clay	<i></i>
Biological: 15xe %	Debris:	r.e%	Oil Sheen: None	Trace (<5%)
Comments:	2.2			
Lesson St. leaves Sh	ols.			
		***************************************		
The state of the s	* 10000			

# SD-PER327-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-16-13	Boeing PL2	SD-PER 327 K1
Coordin	nates		Water Depth	Time
North		East	Depth Unit Re	
195863	12752	7 \	13.4 ft 1	0.2 Grab 1393
Penetration  Depth Unit Initials S S Weath  12 c m T Surficial sediment characteristics:		Surficial Wo Contact Poi	od Estimate: nts	X5 =%
Biological: Tract %	Debris:	race %	Oil Sheen: None	> Trace (<5%)%
Moisture Very Wel Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo Olive Gray	r & underline modifying Brown Black	ng) Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modifyin	1
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	ау
Subsurface sediment characteristics:		385(H) 955		100 T
Density / Consistency	Æ.		*	
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifyi Brown Black	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modifyi Silt Cl	
Minor Constituent with trace Fine Medium Coars	e .	Gravel Sand	Silt Cl	ау
Biological: Trace %	Debris:		Oil Sheen: None	
Fiological WOIM	2	SD-P QSC	ER327-1213	eter
Debris: leaves, Sh	ous	Initials	s: 62 m	
		Date:	12 / 16 /2013 7	Time: 1303
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QUALITATIV	VE SAMPLE CH	IARACTERISTI	CS	Page	of
Coordinate Datum	Date (mm/dd/			ample Identification Number	
	12-16-			PER 327 R	2
Coordinates	TARABA III	Water D	Depth	Т	ime
North	East	Depth	Unit Rep	Gear	00 40 0 40 0 40 0 40 0 40 0 40 0 40 0
	5276	15-5		0.2 Grab (3)	7
Penetration  Depth Unit Initials O Weather	20	cial Wood Estimate	•		
Depth Unit Initials of S Weather ii	Conta	act Points	1077	X 5 =	%
		( <del></del>			
Surficial sediment characteristics:					
Biological: \\ \sum_{\subseteq} \text{Scace} \% Debris:	Tiall	_ % Oil Sheen:	None	Trace (<5%)	%
Moisture  Very Wet Wet Moist D	Damp Dry				
Color Light Medium Dark		le major & underlin	376 0766	Other	
Major Constituent Fine Medium Coarse	(Circ Gravel	le major & underlin Sand (Silt)	e modifying) Clay	5-2-10	
Minor Constituent with trace Fine Medium Coarse	Gravel	Sand Silt	Clay	1	
Subsurface sediment characteristics:				4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	
Density / Consistency					
Sand / Gravel - Very Loose L	_oose Medi	um Dense De	ense	Very Dense	
Silt / Clay - Very Soft	Soft) Medi	um Stiff St	iff	Very Stiff	Hard
Moisture  Very Wet Wet Moist E	Damp Dry				
Color Light Medium Dark	(Circ Olive G	le major & underlin	e modifying) Black	Other	
Major-Constituent (Fine) Medium Coarse	(Circ Gravel	ele major & underlin Sand Silt	e modifying) Clay		
Minor Constituent with trace Fine Medium Coarse	Gravel	Sand Silt	Clay		
Biological:% Debris:		_% Oil Sheen:		Trace (<5%)	%
Comments:	- grab stil	not close	_/_	rst try	
Debas Jung 3, learn	£3	<u> </u>			
					-

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS		Р	age of
Coordinate Datum		Date (mm/dd/yy)	Project Locati		Sample Identii Numbei	
		12-16-13	Boeing PL2	SE	-PER 327	R3
Coordir	nates		Water Dept	h		Time
North		East	Depth Ur	nit Rep	Gear	
195863	127527	5	15.2 f	t 3	0.2 Grab	1330
Penetration  Depth Unit Initials ON Weat  2 c m CT Rafty of		Surficial Wo	ood Estimate: ints		X 5 =	%
Surficial sediment characteristics:						
Biological: Trace %	Debris:	race %	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wel Moist	Damp	Dry				
Color Light Medium Dark		(Circle maj Olive Gray	or & underline m Brown Bla		Other	
Major Constituent  Eine Medium Coars	se	(Circle maj Gravel Sand	or & underline m	odifying) Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	l Silt	Clay		
Subsurface sediment characteristics:	THE E SHIPPING O					
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense		Very Dense	
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	Ì		or & underline m Brown Bla	odifying) ack	Other	
Major Constituent Fine Medium Coar	se	(Circle ma) Gravel Sand	jor & underline m	odifying) Clay		
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt	Clay		
Biological:%	Debris:	acc %	Oil Sheen:	None)	Trace (<5%)	%
Comments:  Reclogical World Colonsky ipaves, -twice		ncles				
	20 20 25 25					
	- Ja					

# SD-PER308-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Р	age of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identif	
		12-19-13	Boeing PL2	SD-PER 30 8	( R1
Coordin	nates		Water Depth		Time
North		East	Depth Unit R	ep Gear	,,,,,
193829	1275	484	29.7 f t	0.2 Grab	858
Penetration  Depth Unit Initials S > Weat		Surficial Wo	ood Estimate: ints	X 5 =	%
Surficial sediment characteristics:					
Biological:%	Debris: 10	RACK_%	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle majo Olive Gray	or & underline modify Brown Black	ing) Other	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modify Silf C	i <b>ng)</b> lay	**************************************
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt C	lay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		Olive Gray	or & underline modify Brown Black	ing) Other	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modify Silt C	ing) lay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	lay	
Biological:%	Debris:	RACK %	Oil Sheen: None	Trace (<5%)	%
Comments: She115, twin 5		•••••••••••••••••	•••••••••••••••••••••••••••••••		
		SD-PEF QSC Fo Initials:_	Proj. BP2 Perimete 3308-1213 rm <u>G3 A</u> 2 / 19 /2013 Tim		
				3	Amın\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
	No.	12-19-13	Boeing PL2	SD-PER 308 RZ
Coordina	ates		Water Depth	Time
North		East	Depth Unit Re	
195829	12754	88	29.8 ft 2	0.2 Grab 847
Penetration  Depth Unit Initials S  Weath  Surficial sediment characteristics:		Surficial Wo	ood Estimate: ints	X 5 =%
	Debris:	2%	Oil Sheen: None-	Trace (<5%)%
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	or & underline modifying Brown Black	Other
Major Constituent Fine Medium Coarse	в	(Circle maj Gravel Sand	or & underline modifying Silt Cla	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	ay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Str	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	3		or & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underline modifyi	ng) ay
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	d Silt CI	
Biological:	Debris:	7 %	Oil Sheen: None	Trace (<5%)%
Comments: Biological Worms Trond: Shell fragu		chicles, h	eavel.	
				**************************************

QUAL	ITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-19-13 E	Boeing PL2	SD-PER 308 R3
Coordin	nates		Water Depth	Time
North	1275484	4 East	Depth Unit Rep	Gear
195836	12754	85	29,3 f t 3	0.2 Grab 90 8
Penetration  Depth Unit Initials S > Weat		Surficial Woo		X5 = %
Surficial sediment characteristics:	3/		a/	3.0
Biological: Trace %	Debris:	3 %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wel Moist	Damp	Dry		
Color Light Medium Dark			& underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	ie.	(Circle major Gravel Sand	& underline modifyin Silt Clar	
Minor Constituent with trace Fine Medium Coars	se .	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:			26	
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Dens	e Dense	Very Dense
Silt / Clay - Very Soft  Moisture	Soft	Medium Stiff	Stiff	Very Stiff Hard
Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	5		& underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	se .	(Circle major Gravel Sand	& underline modifyin	
Minor Constituent with trace Fine Medium Coars	se .	Gravel Sand	Silt Cla	у
Biological: Trace %	Debris:	5%	Oil Sheen: None	Trace (<5%)%
Brokegical: Lary M.	7	11015		

# SD-PER309-1213

QUAI	LITATIVE SA	MPLE CHA	ARACT	ERISTIC	CS	P	age of
Coordinate Datum	Western State of the State of t	Date (mm/dd/yy	<i>(</i> )	Project Lo		Sample Identifi Number	
		15-16-	13 Bo	eing PL2	SI	D-PER 309	RI
Coordi	nates			Water D	onth	T T	Time
North	Tates	East		Depth	Unit Rep	Gear	Tillie
195658	12755			21.4	f t )	0.2 Grab	922
Penetration  Depth Unit Initials SO Weal			al Wood	Estimate:	3		
	ther Euclidean (%)	Contac	t Points				
12 cm CJ   suns	<del>)</del>					X5 = _	%
Surficial sediment characteristics:							
Biological: Fracco %	Debris:	15	% Oil	Sheen:	None	Trace (<5%)	%
Moisture  Very Wet Web Moist	Damp	Dry					. 9
Color Light Medium Dark		(Circle Olive Gra			modifying) Black	Other	17
Major Constituent Fine Medium Coars	se		major & Sand	underline	modifying) Clay		10 00 32500
Minor Constituent with trace Fine Medium Coars	se	Gravel	Sand	Silt	Clay		
Subsurface sediment characteristics:							<del>100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</del>
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Mediun	n Dense	De	nse	Very Dense	
Silt / Clay - Very Soft	Soft	Mediun	n Stiff	Stif	ff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	t Damp	Dry					
Color Light Medium Dark	>	(Circle Olive Gra			modifying) Black		
Major Constituent Fine Medium Coar	se	MANAGEM AND	major & Sand	underline Silt	modifying Clay		
Minor Constituent with trace Fine Medium Coan	se	Gravel	Sand	Silt	Clay		
Biological: Truce %	Debris:	5	% Oi	l Sheen:	None	Trace (<5%)	%
Comments: Biological: Nomes,	. /	<i>e</i>					
Delay of all 1900	- 1					500 000 000 000 000 000 000 000 000 000	
		v		MEC PI	OJ. BHZ H	erimeter	
			— Q	SC Forr	109-1213	7.01	
			In	itials: 6	2 N		
			Da	ate: 12	14 120	13 Time: 9	
						io rime: 4	- 2>

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Pageo	of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
		15-19-13	Boeing PL2	SD-PER 309 RZ	
Coordin	nates		Water Depth	Time	,
North		East	Depth Unit Re	p Gear	
195659	12755	148	21-3 ft 3	L 0.2 Grab 932	
Penetration  Depth Unit Initials O Weath  Surficial sediment characteristics:		Surficial Wo	ood Estimate: ints	X 5 =	%
	Debris:	LD %	Oil Sheen: None	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			or & underline modifying Brown Black	ng) Other	2 11111
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	or & underline modifying Sill Cla	=:	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	3 șilt ci	ау	
Subsurface sediment characteristics:				-28 -302-300-300-2	
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft >	Medium Stiff	f Stiff	Very Stiff Hai	rd
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	î		or & underline modifyi Brown Black		- 550
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifyi		-
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt CI	ay	1000 OF 1
Biological: Trace %	Debris:	<u> </u>	Oil Sheen: None		%
Comments: Emissional Comments  Poly No Itaves, +					
				4.51 2.77 (10)	
					_
				Amın\Field Fo	rms\OSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Pagec	of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
		12-19-13	Boeing PL2	SD-PER 309 R3	
Coordin	nates		Water Depth	Time	
North		East	Depth Unit Re	M 1	,
195653	12755		231 ft 2		
Penetration  Depth Unit Initials S S Weat  2 c m C S S S S S S S S S S S S S S S S S S	her (%)	Surficial Wo	ood Estimate: nts	X 5 =	%
Surficial sediment characteristics:					
Biological: Trace %	Debris:	race %	Oil Sheen: None	> Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			r & underline modifyin Brown Black	ng) Other	
Major Constituent  Eine Medium Coars	е	(Circle majo Gravel Sand	r & underline modifyir		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	ay	
Subsurface sediment characteristics:	10				
Density / Consistency			927		
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Ha	rd
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	)		r & underline modifying Brown Black		
Major Constituent Eine Medium Coars	e	(Circle majo Gravel Sand	or & underline modifying Silt Cla		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	ау	
Biological:	Debris:	7 %	Oil Sheen: None		%
Comments:  Beclocycal cood  Dewit Hings. Lee	(5				
			9		
		wite CO1   1		Amin\Field Fo	rms\QSC

# SD-PER310-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS		F	age of
Coordinale Dalum		Date (mm/dd/yy)	Project Locatio		Sample Identi Numbe	
		12-19-13	Boeing PL2	SE	D-PER 310	R1
Coordin	nates		Water Depth			Time
North		East	Depth Unit	Rep	Gear	
195592	12757	62	23.3 f		0.2 Grab	1006
Penetration  Depth Unit Initials O Weat  c m Weat  Surficial sediment characteristics:	her Lie (%)	Surficial Wo	ood Estimate: nts		X 5 =	%
Biological: Trace %	Debris:	rece %	Oil Sheen:	one	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	Brown Blac		Other	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline mo	difying) Clay	) 	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay	-	
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense		Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			or & underline mo Brown Blac		Other	10-21-14 TO 21
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & underline mo	difying Clay	)	
Minor Constituent with trace Fine Medium Coan	se	Gravel Sand	Silt	Clay		
Biological:%	Debris:	Tree? %	, \	Vone	Trace (<5%)	%
Comments:  Bic(cgical: wà) ms  Debns: suell fragn		wes, these	AMEC Proj. BP SD-PER310-12 QSC Form nitials: 620 Date: 12 / 19	:13		06

QUAL	ITATIVE SAI	MPLE CHARA	CTERISTIC	S	Pa	ge of
Coordinate Datum	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Date (mm/dd/yy)	Project Loc		Sample Identific Number	ation
		12-19-13	Boeing PL2		-PER 310	RZ
Coordin	nates	230 MMC 10 100 - 200 MMC 10 100 MMC 10 100 MMC 10 100 MMC 10 100 MMC 1	Water De	nth		Time
North		East		Unit Rep	Gear	Tillio
145595	127575	59		f t Z	0.2 Grab	1019
Penetration  Depth Unit Initials S > Weat	her (%)	Surficial W	ood Estimate:			
10 cm CJ Party	day				X5 = _	%
Surficial sediment characteristics:						
Biological:%	Debris:	race %	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			or & underline Brown E	<b>modifying)</b> Black	Other	
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline	<b>modifying)</b> Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay	<del>2</del>	THE PART OF THE PA
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse Den	se	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Sti	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	$\supset$	(Circle maj	or & underline Brown		Other	W100
Major Constituent Fine Medium Coar	se	(Circle maj	or & underline	modifying) Clay		
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	d Silt	Clay		
Biological: Track %	Debris:	Z %	Oil Sheen:	None	Trace (<5%)	%
Comments:	0					
We was a second to the	1		W. D. STINMAN			
2. S.						
					END AND STANSONS	

QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-18-13	Boeing PL2	SD-PER 3/0 R3
Coordir	nates		Water Depth	Time
North		East	Depth Unit Re	ep Gear
195590	12757	60	23.6 ft	3 0.2 Grab 1030
Penetration  Depth Unit Initials S S Weat	her Kines	Surficial Wo Contact Poi	od Estimate: nts	X5 =%
Surficial sediment characteristics:				
Biological: Trace %	Debris:	A-6-E %	Oil Sheen: None	Trace (<5%)%
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modifyi Silt Cl	ng) ay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cl	ay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	>		r & underline modifyi Brown Black	(ng) Olher
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modify	ing) lay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	lay
Biological:%		race %	Oil Sheen: None	/
Comments: Ecologian Warm Delavis; shell frac	B	turgs		
		3		
	1			
	E			
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### SD-PER311-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		15-50-13	Boeing PL2	SD-PER 311 R1
Coordin	ates		Water Depth	Time
North		East	Depth Unit	Rep Gear
195407	151268	5	20. 7 ft	\ 0.2 Grab   10 0 6
Penetration  Depth Unit Initials S S Weath  C c m C S Surficial sediment characteristics:	ner Ä (%)	Surficial Wo Contact Poi	ood Estimate: nts	X 5 =%
Biological:%	Debris:	TIRCE %	Oil Sheen: Nor	ne Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo	or & underline modif Brown Black	fying) Other
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	or & underline modif	fying) Clay
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt	Clay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Den	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	>		or & underline modi Brown Black	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modi	fying) Clay
Minor-Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt	Clay
Biological:%	Debris:	· FOLE - %	Oil Sheen: No	pe Trace (<5%)%
Comments: Biological Works Delay 1. Jeans, 1	,21012		_ lain Form	

QUAI	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-20-13	Boeing PL2	SD-PER 311 R 2
Coordi	nales		Water Depth	Time
North	lates	East	Depth Unit Rep	1
145406	12756		22,2 ft 2	
Penetration  Depth Unit Initials O Weat	her Kines	Surficial Wo	ood Estimate: nts	X 5 =%
Surficial sediment characteristics:				
Biological: Trace %	Debris:	race %	Oil Sheen: None	, Trace (<5%) %
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			or & underline modifyir Brown Black	Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifyir	1.75.4
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt Cla	ау
Subsurface sediment characteristics:	V) (D(872)			
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Dei	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Mois	t Damp	Dry		
Color Light Medium Dark		(Circle maj Olive Gray	or & underline modifyir Brown Black	ng) Other
Major Constituent Fine Medium Coar	se	(Circle maj Gravel Sand	or & underline modifying Sill Cla	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt Cla	ay
Biological:%	Debris:	ette %	Oil Sheen: None	Trace (<5%)%
Comments:				
Debas grass the	as, leave	-2		
	7 '			
			1 SAN TO SAN	

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		15-50-13		SD-PER 31) R3
Coordina	ales		Water Depth	Time
North	3,00	East	Depth Unit Rep	
195402	12756		20.9 ft 3	
Penetration  Depth Unit Initials S Weath	er Eines (%)	Surficial W	ood Estimate: ints	X 5 =%
Surficial sediment characteristics:				
Biological: Trace %	Debris:	race %	Oil Sheen: None	> Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle major) Olive Gray	or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coarse	9	(Circle maj Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fine Medium Coarse	e	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:				
Density / Consistency			22	
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft)	Medium Stil	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	>		or & underline modifyin Brown Black	
Major Constituent Fine Medium Coarse	•	(Circle maj Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fine Medium Coarse	e	Gravel Sand	Silt Cla	у
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Comments: Biological: Worms Debits: Igaves, tr	barnac	ä		
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### SD-PER312-1213

QUAI	ITATIVE SA	MPLE CHAR	ACTERIST	ICS	P	age of
Coordinate Datum	3	Date (mm/dd/yy)	Project L	ocation	Sample Identif Number	
		12-16-13	Boeing PL2		SD-PER 312	RI
Coordi	nates		Water I	Denth	T	Time
North		East	Depth	Unit Rep	Gear	riine
146223	1274		12.6	f t \	0.2 Grab	935
Penetration  Depth Unit Initials S S Weat  7 c m Surficial sediment characteristics:	her in (%)	Surficial \ Contact P	Vood Estimate oints	:	X 5 = _	<u></u> %
Biological:%	Debris:	Trace %	Oil Sheen:	None	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	ajor & underlin	e modifying Black	Other	3
Major Constituent Fine Medium Coars	se	(Circle ma Gravel Sar	ajor & underlin			
Minor Constituent with trace Fine Medium Coars	se	Gravel Sar	nd Silt	Clay		ann 1844 e Bhail
Subsurface sediment characteristics:  Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium D	ense De	ense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium S	tiff St	iff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	6	Olive Gray	ajor & underlin Brown			
Major Constituent Fine Medium Coars	se	(Circle ma Gravel Sar	ajor & underlin	e modifying Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sar	nd Silt	Clay	·	
Biological: Trace %	Debris:	race %	Oil Sheen:	None	) Trace (<5%)	%
Biological: Worms						
Delant: Shells, from	gs gs	——— QS( ——— Initia	EC Proj. BP2 PER312-12 PForm als: 63 () :: 78 / 13	13	er ne:_935	

QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-16-13	Boeing PL2	SD-PER 312 R2
Coordin	nates	*****	Water Depth	Time
North	3- 10-10-10-10-10-10-10-10-10-10-10-10-10-1	East	Depth Unit Re	o Gear
196222	12748	36	10.6 ft 2	0.2 Grab 946
Penetration  Depth Unit Initials S S Weat	her Lines	Surficial Wo Contact Poi	od Estimate: nts	X 5 =%
Surficial sediment characteristics:				
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	r & underline modifyir Brown Black	Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modifyir Silt Cla	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	зу
Subsurface sediment characteristics:		- Managar - 15 A		
Density / Consistency			000	
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	ò		r & underline modifyir Brown Black	
Major Constituent Pine Medium Coars	se	(Circle majo Gravel Sand	r & underline modifyir Silf Cla	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	ау
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Comments: Biological: Worm Debno Twigs, lee				
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QUAL	ITATIVE SA	AMPLE CHARA	CTERISTICS		Pa	age of
Coordinate Datum		Date (mm/dd/yy)	Project Location		Sample Identifi Number	cation
		12-16-13	Boeing PL2	SD	-PER 312	R3
Coordin	nates	ord streets s	Water Depth		1	Time
North		East		it Rep	Gear	
196222	12748	33	10-4 F	t 3	0.2 Grab	958
Penetration  Depth Unit Initials S S Weat	Her Lines	Surficial Wo	ood Estimate: ints		X5 = _	%
Surficial sediment characteristics:						
Biological: Trace %	Debris:	race %	Oil Sheen:	Vone	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			Brown Blac		Other	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline mo	difying) Clay	3 <del>1-11-11-11-11-1</del>	- 1
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt	Clay		
Subsurface sediment characteristics:			TO ASSESSED OF THE PARTY OF THE		77.00	AND AND PAR
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	•8	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			Brown Blac		Other	
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	or & underline mo	difying) Clay		<del>via e si con</del> ecidenti di conecidenti di conecident
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	) Silt	Clay		
Biological: 1 tree %	Debris:	race %	4	Vone	Trace (<5%)	%
Comments: Des leg land, worms Dobal - Small Wes		More s				
				77 - S-393-55		
						-
No. 10. September 10. Septembe	D. S.	0.22			,	Amin\Field Forms\QSC

### SD-PER313-1213

QUALITATIVE SAMPLE CHARACTERISTICS Page of							
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number			
	4782 30230 NO.78 AND 49	12-16-13	Boeing PL2	SD-PER 313 R)			
Coordin	ates		Water Depth	Time			
North		East	Depth Unit F	Rep Gear			
195 485	12751	00	4,7 f t	1 0.2 Grab 1150			
Penetration  Depth Unit Initials S S Weath		Surficial W Contact Po	ood Estimate: ints	X 5 =%			
Surficial sediment characteristics:				_			
Biological: Trace %	Debris:	race %	Oil Sheen: Non	e Trace (<5%)%			
Moisture Very Wet Wef Moist	Damp	Dry					
Color Light Medium Dark			or & underline modif Brown Black	ying) Other			
Major Constituent Fine Medium Coars	е	(Circle maj Gravel Sand	or & underline modif	ying) Clay			
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt (	Clay			
Subsurface sediment characteristics:	e w 1						
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense			
Silt / Clay - Very Soft	Soft	Medium Sti		Very Stiff Hard			
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark	)		or & underline modif Brown Black				
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modif	<b>ying)</b> Clay			
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	i Silt	Clay			
Biological: Trace %	Debris:	race %	Oil Sheen: Nor	Trace (<5%)%			
Comments: Explorer worms	, algar	AMEU F	rroj. BPZ Perimet 3313-1213	er			
		QSC Fo	65M	me: <u>\\S</u> \sigma			
				Amin\Field Forms\QSC			

QUALITATIVE	SAMPLE CHARA	CTERISTICS	Pa	ige of	
Considerate Debugs	Date (mm/dd/ss)	Project Location	Sample Identifi Number	Sample Identification	
Coordinate Datum	(mm/dd/yy)	Boeing PL2	SD-PER 313	83	
Coordinates		Water Depth		Time	
North	East	Depth Unit Re			
195983	75098	10-8 ft 2	0.2 Grab	1500	
Penetration Depth Unit Initials O Weather Signature	Surficial W Contact Po	ood Estimate: ints	X 5 =	%	
Surficial sediment characteristics:		\$ <del></del>	_		
	Trace %	Oil Sheen: None	Trace (<5%)	%	
	Trace "		)		
Moisture  Very Wet Web Moist Dan	np Dry				
Color Light Medium Dark	(Circle ma Olive Gray	or & underline modifyi Brown Black	ng) Other		
Major Constituent Fine Medium Coarse	(Circle maj Gravel Sand	or & underline modifyi	<b>ng)</b> ay		
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	Silt CI	ay		
Subsurface sediment characteristics:	· · · · · · · · · · · · · · · · · · ·				
Density / Consistency					
Sand / Gravel - Very Loose Loo	ose Medium De	nse Dense	Very Dense		
Silt / Clay - Very Soft Sof	Medium St	ff Stiff	Very Stiff	Hard	
Moisture  Very Wet Wet Moist Dan	mp Dry				
Color Light Medium Dark		jor & underline modifyi Brown Black		ana	
Major Constituent Fine Medium Coarse	(Circle ma Gravel San	jor & underline modifyi d Silt C	ing) lay		
Minor Constituent with trace Fine Medium Coarse	Gravel San	d Silt C	lay	MANAGEMENT OF THE STATE OF THE	
Biological: Trace % Debris:	Trace %	Oil Sheen: None	Trace (<5%)	%	
Comments:	gae				

QUAL	ITATIVE SA	MPLE CHARA	ACTERISTICS	3	Pa	ge of	
Coordinate Datum		Date (mm/dd/yy)	Project Loca	Project Location		Sample Identification Number	
		12-16-13	Boeing PL2		-PER 313	23	
Coordir	nates		Water Dep	th		Time	
North		East		Init Rep	Gear		
195989	12750	99	10,7 f	t 3	0.2 Grab	1151	
Penetration  Depth Unit Initials   C m   Weat		Surficial W	lood Estimate: pints		X5 =	%	
Surficial sediment characteristics:			· ·				
=8	7						
Biological: Trace %	Debris:	"ace %	Oil Sheen:	None	Trace (<5%)	%	
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark			jor & underline m Brown Bl	n <b>odifying)</b> ack	Other	s#	
Major Constituent Fine Medium Coars	e	(Circle ma Gravel San	jor & underline n	nodifying) Clay			
Minor-Constituent with trace Fine Medium Coars	se	Gravel San	d Silt	Clay			
Subsurface sediment characteristics:						W-W	
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Medium De	ense Dens	е	Very Dense		
Silt / Clay - Very Soft	Soft	Medium St	iff Stiff		Very Stiff	Hard	
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark	7		ijor & underline r Brown B		Other		
Major Constituent Fine Medium Coars	3 <b>e</b>	(Circle ma Gravel San	ijor & underline r d Silt	nodifying) Clay	-		
Minor Constituent with trace Fine Medium Coars	se	Gravel San	d Silt	Clay			
Biological: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Debris:	mel %	Oil Sheen:	None	Trace (<5%)	%	
Comments: Biological: War	us, ala	al					
belong twick !t	10 JEAN V	1			19 T		
1					2		

### SD-PER401-1213

QUAL	ITATIVE SA	MPLE CHARAC	CTER	ISTIC	S		Р	age) of
Coordinate Datum		Date (mm/dd/yy)	Pro	ject Loca	ation		Sample Identi Numbe	
		12-12-13	Boeing	PL2		SD	-PER 40	R1
Coordin	nates		W	ater Dep	oth			Time
North		East		~	Jnit	Rep	Gear	
194392	12761	44		,2 f	t	1	0.2 Grab	817
Penetration 0	Se	Surficial Wo		8.2 imate:				
Penetration  Depth Unit Initials	her Kines	Contact Poi	nts				292.742	
0 cm 657 C 5-1	<del>)                                    </del>			-		<del></del> i	X 5 =	%
Surficial sediment characteristics:	1							
Biological:%	Debris:	%	Oil Sh	een:	Noi	ne	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry						
Color Light Medium Dark		(Circle majo Olive Gray	Brown		modi Ilack	fying)	Other	-
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand		derline r Silt		<b>fying)</b> Clay	-	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand		Silt		Clay	/ <u>Fare</u> 100	
Subsurface sediment characteristics:					0.000		MIN NOTE OF THE PARTY OF THE PA	
Density / Consistency					754			
Sand / Gravel - Very Loose	Loose	Medium Der	ise	Den	se		Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff		Stiff			Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry						
Color		(Circle majo						3
Light Medium Dark		Olive Gray	Brown	1 =	Black	-	Other	
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & un	Silt Silt	modi	fying) Clay		
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand		Silt		Clay	-	
Biological:%	Debris:	%	Oil SI	neen:	Nó	ne	Trace (<5%)	%
Comments:		AWIEU	, Proj. ER40 Form	. 672 F 1-1213				
		Initials Date:	12	1 (0 /	2013	3 Tim	ne: <u>817</u>	
					85×17/ +1			Amin\Field Forms\QSC

QU	ALITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-10-13 B	peing PL2	SD-PER 401 RZ
Cool	rdinates		Water Depth	Time
North		East	Depth Unit Re	
194393	127613	4	17.4 ft 3	0.2 Grab 8,5 o
	eather ii. (%)	Surficial Wood Contact Point		_ X 5 =%
Biological: %	Debris:	/ % 0	oil Sheen: None	Trace (<5%) %
Moisture	oist Damp	Dry		
Color Light Medium Da	ırk		& underline modifyi rown Black	Other
Major Constituent Fine Medium Co	parse	(Circle major Gravel Sand	& underline modifyi	ing) lay
Minor Constituent with trace Fine Medium Co	parse	Gravel Sand	silt C	lay
Subsurface sediment characteristics	:			
Density / Consistency				
Sand / Gravel - Very Loo	se Loose	Medium Dense	e Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wel Wet Me	oist Damp	Dry		
Color Light Medium Da	ark	(Circle major Olive Gray E	& underline modify Brown Black	ing) Other
Major Constituent Fine Medium Co	oarse .	(Circle major Gravel Sand	& underline modify	ing) lay
Minor Constituent with trace Fine Medium Co	oarse	Gravel Sand	Silt C	clay
Biological:%		- American Company	Oil Sheen: None	<i>)</i>
Comments:	6			
	· · · · · · · · · · · · · · · · · · ·			
				Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-10-13	Boeing PL2	SD-PER 401 83
Coordi	nates		Water Depth	Time
North		East	Depth Unit R	
194395	15761	37	17.2 f t	3 0.2 Grab 911
Penetration  Depth Unit Initials S S Weat  Surficial sediment characteristics:		Surficial Wo Contact Poi	od Estimate: nts	%
Biological:%	Debris:	11612%	Oil Sheen: None	Trace (<5%)%
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		CONTROL OF THE PARTY OF THE PAR	Brown Black	ring) Other
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & underline modify	ring) Clay
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt C	Clay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Mois	t Damp	Dry		
Color Light Medium Dark		Olive Gray	or & underline modify Brown Black	ying) Other
Major Constituent (Fine Medium Coal	rse	(Circle majo Gravel Sand	or & underline modif	<b>ying)</b> Clay
Minor Constituent with trace Fine Medium Coal	'se	Gravel Sand	Silt (	Clay
Biological:%	Debris:	Trace-%	Oil Sheen: Non	Trace (<5%)%
Comments:				
		585		Amin\Field Forms\QS

# SD-PER402-1213

QUA	LITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-10-13	Boeing PL2	SD-PER 4 5 2 8 2
Coord	nates		Water Depth	Time
North		East	Depth Unit R	
194316	127590	91	24-3 f t	2 0.2 Grab 949
Penetration  Depth Unit Initials S Surficial sediment characteristics:		Surficial Wo	ood Estimate: ints	1%
		Truce		
Biological:%	Debris:	Trace %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wel Mois	Damp	Dry		
Color Light Medium Dark		(Circle majo Olive Gray	Brown Black	other
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & underline modify	ring) Clay
Minor Constituent with trace Fine Medium Coan	se	Gravel Sand	Silt C	Clay
Subsurface sediment characteristics:		9		
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Mois	t Damp	Dry		
Color Light Medium Dark	ļ	(Circle major) Olive Gray	or & underline modify Brown Black	ying) Other
Major Constituent Fine Medium Coa	rse	(Circle maj Gravel Sand	or & underline modify	<b>ying)</b> Clay
Minor Constituent with trace Fine Medium Coa	rse	Gravel Sand	Silt (	Clay
Biological: %	Debris:	race %	Oil Sheen: Non	e Trace (<5%)%
Comments: Copris, lea	F & thul	(1 <		₽
	-, (00)		SD-PER40 COC Form Initials: 63	
N 2				ਪੁਛਰਾ =

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS		Р	age of
Coordinate Datum		Date (mm/dd/yy)	Project Locati		Sample Identif Number	
	W-21-4111	15-10-11	Boeing PL2	SE	D-PER 403	RZ
Coordin	ates		Water Dept	h		Time
North		East		nit Rep	Gear	
194313	12759	88	24.4 f	t Z	0.2 Grab	1013
Penetration  Depth Unit Initials S S Weath	ner iii%	Surficial Wo	ood Estimate: ints	ikas -	X5 = .	%
Surficial sediment characteristics:						
Biological:%	Debris:(	<u> </u>	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	Brown Bla		Other	
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underline m	odifying) Clay		
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt	Clay		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense		Very Dense	
<u>Silt / Clay -</u> Very Soft	Soft	Medium Stil	f Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive (Circle maj	or & underline m Brown Bla	odifying ick	Other	· · · · · · · · · · · · · · · · · · ·
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline m	<b>odifying</b> Clay	)	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	l Silt	Clay		
Biological:%	Debris: 1	WCO %	Oil Sheen:	None	Trace (<5%)	%
Comments:					•••••	
1				Simple	100 C 11 C 10 C 10 C 10 C 10 C 10 C 10	

QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-10-13	Boeing PL2	SD-PER 402 R3
Coordii	nates		Water Depth	Time
North		East	Depth Unit Rep	an outside and a second a second and a second a second and a second an
194316	12759	88	24,5 ft 3	0.2 Grab ) 0.3 \
Penetration  Depth Unit Initials O Weat  12 c m //3 C m		Surficial Wo		X 5 =%
Surficial sediment characteristics:				
Biological:%	Debris:	Trace %	Oil Sheen: None	race (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifying Brown Black	g) Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modifying Silt Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifyin Brown Black	
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	r & underline modifyin Silt Cla	-1
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt Cla	у
Biological: Track Track %	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Comments:	5	hell debris	: 44	
		2 20 20 20 20 20 20 20 20 20 20 20 20 20		
			Control Contro	
-				
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# SD-PER403-1213

Q	UALITATIVE SA	MPLE CHARACT	ERISTICS	Page of
Coordinate Datur	n	Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-10-13 Bo	eing PL2 S	D-PER 403 K1
Co	pordinates		Water Depth	Time
North	1276092	<u>P</u> East	Depth Unit Rep	Gear
194318	1270	592	25 ft1	0.2 Grab \\ 0.7
() c m 7B	Weather L. S.	Surficial Wood Contact Points		X 5 =%
Surficial sediment characteristics:		0.10		
Biological:	% Debris:	Me % Oi	I Sheen: None	Trace (<5%)%
Moisture Very Wet Wet	Moist Damp	Dry		
Color Light Medium	Dark		own Black	Other
Major Constituent Fine Medium	Coarse	(Circle major & Gravel Sand	Silt Clay	
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	Silt Clay	
Subsurface sediment characteristi	cs:	* *		1
Density / Consistency				
Sand / Gravel - Very Lo	oose Loose	Medium Dense	Dense	Very Dense
Silt / Clay - Very S	oft Soft	Medium Stiff	Stiff	Very Stiff Hard
			ii ( <b></b> 6	
Moisture Very Wet Wet	Moist Damp	Dry	4	÷ .
Color Light Medium	Dark	(Circle major &	k underline modifying rown Black	
Major Constituent Fine Medium	Coarse	(Circle major & Gravel Sand	underline modifying	
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	Silt Clay	,
Biological:	% Debris:	race % 0	il Sheen: None	) Trace (<5%)%
Comments:				
			AMEC Proj. BP2 ( SD-PER403-1213	Perimeter
		lı	QSC Form  itials: 650	1) = =
			vale. 10 /2	013 Time: 1197
			±* **	*
L				Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTI	cs	Р	age of
Coordinate Datum	985.	Date (mm/dd/yy)	Project Lo		Sample Identif Number	
		15-12-13	Boeing PL2	SE	-PER 493	RZ
Coordin	nates		Water D	Depth		Time
North		East	Depth	Unit Rep	Gear	
194318	12760	95		ft	0.2 Grab	1125
Penetration  Depth Unit Initials S S Weat    O   C   m   O   C   C   C   C   C    Surficial sediment characteristics:	her Huse	Surficial W Contact Po	ood Estimate pints —	: 	X 5 =	%
Biological:%	Debris:	race %	Oil Sheen: (	None	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle ma Olive Gray	jor & underlin	e modifying) Black	Other	
Majer Constituent Fine Medium Coars	se	(Circle ma Gravel San	jor & underlin d Silt	e modifying) Clay		g a litt. Some little
Minor Constituent with trace Fine Medium Coars	se	Grave	Silt	Clay		
Subsurface sediment characteristics:		300 11			(46	
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	ense De	ense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium St	iff St	iff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry	*	í	×	
Color Light Medium Dark			i <b>jor &amp; underlin</b> Brown	Black	Other	
Major Constituent Fine Medium Coar	se	(Circle ma Gravel San	ijor & underlin d Silt	ne modifying Clay	70	* 1
Minor Constituent with trace Fine Medium Coar	se ,	Gravel San	d Silt	Clay	-	
Biological: YaQ %	Debris:	%	Oil Sheen:	None	Trace (<5%)	%
Comments:						
- minor odor (Has	)				Heren an are	
· ·			14	No a train	0.5390	4 (
			92746			

QUA	LITATIVE SA	MPLE CHARA	CTERISTICS	. Pa	nge of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identifi Number	cation
		15-10-13	Boeing PL2	SD-PER 493	K3
Coord	inates		Water Depth		Time
North		East	Depth Unit R	ep Gear	
194321	12760	92	ays ft	0.2 Grab	1140
Penetration  Depth Unit Initials S S Weather S S S S S S S S S S S S S S S S S S S	ather ii. %)	Surficial Wo	ood Estimate: nts	_ X5 = _	%
Surficial sediment characteristics:		_	•	Program Summer	*
Biological: Tyuce %	Debris:	Me CO %	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Mois	t Damp	Dry		The second secon	
Color Light Medium Dark		(Circle majo Olive Gray	Brown Black	ving) Other	
Major Constituent Fine Medium Coa	rse	(Circle majo Gravel Sand	or & underline modify	ving) Clay	
Minor Constituent with trace Fine Medium Coa	rse	Gravel Sand	) Silt (	Clay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	e Loose	Medium Der	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stif	f) Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moi	st Damp	Dry			
Color Light Medium Dar	k	(Circle maj Olive Gray	or & underline modify Brown Black	ying) Other	
Major Constituent Fine Medium Coa	arse	(Circle maj Gravel Sand	or & underline modif	<b>ying)</b> Clay 	A
Minor Constituent with trace Fine Medium Coa	arse	Gravel Sand	Silt (	Clay	
Biological: \race%	Debris:	Huce %	Oil Sheen: Nor	Trace (<5%)	%
Comments:					
-(nmm)					
				75-75-75-75-75-75-75-75-75-75-75-75-75-7	

# SD-PER404-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Pag	e of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identifica	ation
		12-11-13	Boeing PL2	SD-PER 49 4	RI
Coordi	nates		Water Depth		Time
North		East	Depth Unit I	Rep Gear	
194556	12750	143	13.0 f t	) 0.2 Grab	820
Penetration  Depth Unit Initials   Weat  Oracle m   Curficial and investable and existing   Depth Unit Initials   Oracle m   Curficial and investable and existing   Depth Unit Initials   Oracle m   Oracle m   Depth Unit Initials   Oracle m    Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m    Oracle m   Oracle m   Oracle m   Oracle m   Oracle m   Oracle m	her Kines	Surficial W Contact Po	ood Estimate: ints 	X 5 =	%
Surficial sediment characteristics:		Λ <i>-</i>		3	
Biological:%	Debris:(	0-5_%	Oil Sheen: Nor	pe Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	)	(Circle maj Olive Gray	or & underline modif Brown Black	fying) Other	
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modif	<b>fying)</b> Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sano	i Silt	Clay	
Subsurface sediment characteristics:		100 100 110 11 11 11 11 11 11 11 11 11 1			
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	2)		or & underline modi Brown Black		
Major Constituent Fine Medium Coar	se	(Circle maj Gravel Sand	jor & underline modi	fying) Clay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	d Silt	Clay	
Biological:	Debris:	<del>5</del> %	Oil Sheen: No	ne Trace (<5%)	%
Comments: WOVMS, trace b	iologica				
	7		AMEU Proj. BP2 SD-PER404-121 QSC Form Initials: 65% Date: 12 / 11	Perimeter 3 2013 Time: ৪১	-
					Jrms\QSC

C	QUALITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datu	ım	Date (mm/dd/yy)	Project Location	Sample Identification Number
		12-11-13 B	loeing PL2	SD-PER 494 RZ
С	coordinates	9.3.7	Water Depth	Time
North		East	Depth Unit Rep	o Gear
194223	1275	5944	13.3 ft 2	0.2 Grab 8 3 9
	Weather Land Service (%)	Surficial Wood		X 5 =%
^		RACE % C	Oil Sheen: None	(Trace)<5%)%
Color	Moist Damp Dark	Dry (Circle major Olive Gray B	& underline modifyin Brown Black	og) Other
Major Constituent Fine Medium	Coarse	(Circle major Gravel Sand	& underline modifyin Silt Cla	
		Gravel Sand	Silt Cla	у
Subsurface sediment characteristi	ics:			
Density / Consistency				
Sand / Gravel - Very L	oose Loose	Medium Dense	Dense	Very Dense
Silt / Clay - Very S	oft Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet	Moist Damp	Dry		A Palace In Statemen
Color Light Medium	Dark >		& underline modifyin Brown Black	
Major Constituent Fine Medium	Coarse	(Circle major Gravel Sand	& underline modifyin	
Minor-Constituent with trace Fine Medium	Coarse	Gravel Sand	Silt Cla	у
	% Debris:	<u>-3</u> % c	Dil Sheen: None	Trace (<5%)%
Comments:				
		ATT TO THE PARTY OF THE PARTY O		
(200)				
				1
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QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Page	of
Coordinale Dalum		Date (mm/dd/yy)	Project Location	Sample Identification Number	1
		15-11-13	Boeing PL2	SD-PER 404 R	,3
Coordir	nates		Water Depth		Time
North	1275944	East	Depth Unit Re		
194227		5943	14-1 f t		55
Penetration  Depth Unit Initials S > Weat	nes ()	Surficial Wo			
cm C tog			5	X 5 =	%
Surficial sediment characteristics:					
Biological: Nove %	Debris:	<u> </u>	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			r & underline modify Brown Black	Other	
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	r & underline modify	ing) lay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	lay	
Subsurface sediment characteristics:			X		
Density / Consistency			×		
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense	
<u>Silt / Clay -</u> Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			r & underline modify Brown Black		·
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modify	ing) lay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	lay	
Biological:10-5 %	NO CONTRACTOR OF THE PERSON OF	7-5_%	Oil Sheen: None	Trace (<5%)	%
Comments:					
		2001			
			The second secon		
				timer.	
				Amın\Fi	eld Forms\QSC

# SD-PER405-1213

Coordinate Datum         Date (mm/dd/yy)         Project Location         Sample Identification Number           12-12-13         Boeing PL2         SD-PER 40 5 K1           Coordinates         Water Depth         Till           North         East         Depth         Unit         Rep         Gear	ocioni
Coordinates Water Depth Ti	ocioni
100	ocioni
	4
	4
19420 1276051 20.2 ft 0.2 Grab 80	
Penetration  Depth Unit Initials S S Weather S Surficial Wood Estimate:  Contact Points  X5 =	%
Surficial sediment characteristics:	
Biological:% Debris:% Oil Sheen: None Trace (<5%)	%
Moisture Very Wet Moist Damp Dry	
Color (Circle major & underline modifying)  Light Medium Dark Olive Gray Brown Black Other	
Major Constituent (Circle major & underline modifying)  Fine Medium Coarse Gravel Sand Sill Clay	
Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay	
Subsurface sediment characteristics:	
Density / Consistency	
Sand / Gravel - Very Loose Loose Medium Dense Dense Very Dense	
Silt / Clay - Very Soft Soft Medium Stiff Stiff Very Stiff	lard
Moisture Very Wet Wet Moist Damp Dry	
Color (Circle major & underline modifying)  Light Medium Dark Olive Gray Brown Black Other	
Major Constituent (Circle major & underline modifying)  Fine Medium Coarse Gravel Sand Sill Clay	
Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay	
Biological: Trace (<5%) % Oil Sheen: None Trace (<5%)	%
Comments:  Raa and Stake caught in grab.  Delans also includes shells, traves, and twigs  Biological (trace) Consisting of AMEC Proj. BPZ Perimeter  SD-PER405-1213  SD-PER405-1213  OSC Form  Initials: ST 12 12013 Time: 8 st  Date:	J Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		15-15-13	Boeing PL2	SD-PER 405 BZ
Coordi	nates		Water Depth	Time
North		East	Depth Unit Re	
144227	157601		20.2 ft2	
Penetration Penetration	her Eines (%)		od Estimate:	
10 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Contact Poi	nts	X 5 = %
(7   C	laudy		Y	. ^5
Surficial sediment characteristics:				**
Biological: Track %	Debris:	<u>O</u> %	Oil Sheen: None	) Trace (<5%)%
Moisture Wet Moist	Damp	Dry		_
Color Light Medium Dark			r & underline modifyii Brown Black	ng) Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modifyir	0,
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	ay
Subsurface sediment characteristics:	(40.000			
Density / Consistency		1	\$	
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		4
Color Light Medium Dark	>		or & underline modifyi Brown Black	
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & underline modifyi	<b>ng)</b> ay
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt CI	ay
Biological: Trace %	Debris:	<i>O</i> %	Oil Sheen: None	
Comments: Track biological: Wi				
			19. 77.2.2.2	V
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QUA	ITATIVE SA	MPLE CHARA	CTERISTICS	Pa	ge of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identific	cation
	4455 st 14655	15-13-13	Boeing PL2	SD-PER 405	63
Coordi	nates		Water Depth		Time
North		East	Depth Unit Re	p Gear	Time
194230	12760	046	20.4 f t		830
Penetration  Depth Unit Initials    C m		Surficial W Contact Po	ood Estimate: ints	X5 =	%
Surficial sediment characteristics:	,				
Biological: Trall %	Debris:	race %	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle maj Olive Gray	or & underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modifying		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sano	Silt Cl	ay	F .
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Sti	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	)	(Circle maj	or & underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modifyi		
Minor-Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt CI	ау	0 - 8 - 4 - 4 - 4 - 4 - 4
Biological:%		TALL %	Oil Sheen: None	Trace (<5%)	%
Comments: Debris (trace) Co Brological (truce) Co	nsists of	leaves a	nd turgs		
				ay account a star	
	Exposes that the state of the s			A	\min\Field Forms\QSC

# SD-PER406-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		15-11-13	Boeing PL2	SD-PER 406 R 1
Coordin	nates	100 V. 10 T. 10 V.	Water Depth	Time
North		East	Depth Unit Rep	100000000
194227	12761	48	18.5 ft 1	0.2 Grab 917
Penetration  Depth Unit Initials O Weat		Surficial Wo	ood Estimate: nts	X 5 =%
Surficial sediment characteristics:				
Biological:%	Debris:	vale %	Oil Sheen: None	) Trace (<5%)%
Moisture Very Wet Wer Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo Olive Gray	r & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modifyin Silt Cla	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:	, (			
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Den	ise Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			or & underline modifyin Brown Black	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifyin Sill Cla	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	у
Biological: 4 %	Debris:	<u>)-5</u> %	Oil Sheen: None	Trace (<5%)%
Comments:				
			AMEC Proj. BP2 H	'erimeter .
	E 1888		SD-PER406-1213 QSC Form	
			Initials: 617	
				013 Time: 917 -
				1.50 (A)
				Amin\Field Forms\QSC

QUA	LITATIVE SA	MPLE CHAR	ACTERISTICS		Page	of
Coordinate Datum	19 10 10 10 10 10 10 10 10 10 10 10 10 10	Date (mm/dd/yy)	Project Locati		ple Identificati Number	on
		15-11-13	Boeing PL2	SD-PE	R 40B R	5
Coord	inates		Water Depth	n		Time
North		East			Gear	
194221	1276	147	20.8 f	t 2 0.2	Grab 4	.33
10 cm (3 49	ather (%)	Surficial Contact I	Wood Estimate: Points	X 5	· =	%
Surficial sediment characteristics:						
Biological:%	Debris:	1%	Oil Sheen:	None Tra	ice (<5%) _	%
Moisture  Very Wet Wet Mois	t Damp	Dry				
Color Light Medium Dark	:	(Circle m Olive Gray	ajor & underline mo Brown Bla	o <b>difying)</b> ck Oth	ner	
Major Constituent Fine Medium Coa	rse	(Circle m Gravel Sa	ajor & underline mo	odifying) Clay		
Minor Constituent with trace Fine Medium Coa	rse	Gravel Sa	nd Silt	Clay		- 1175 - 1
Subsurface sediment characteristics:						***************************************
Density / Consistency						
Sand / Gravel - Very Loose	e Loose	Medium (	Dense Dense	· Ve	ry Dense	
Silt / Clay - Very Soft	Soft	Medium \$	Stiff Stiff	Ve	ry Stiff	Hard
Moisture  Very Wet Wel Mois	st Damp	Dry				
Color Light Medium Dar	k	Olive Gray	najor & underline m  Brown Bla	odifying) ack Ot	her	
Major Constituent Fine Medium Coa	ırse		najor & underline m and Silt	odifying) Clay		15 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Minor Constituent with trace Fine Medium Coa	ırse	Gravel Sa	and Silt	Clay	*1000	197
Biological:%	Debris:	race %	i Oil Sheen:	None Tr	ace (<5%)	%
Comments: Mussels: twgs						-
				7.4		

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number		
		12-11-13	Boeing PL2	SD-PER 406 R3		
Coordi	nates		Water Depth	Time		
North		East	Depth Unit Re	N a		
194326	12761	141	22.1 ft =			
Penetration  Depth Unit Initials S S Weat	her Eines (%)	Surficial W Contact Po	ood Estimate: ints	X 5 =		
Surficial sediment characteristics:						
Biological: 30 %	Debris:	10 %	Oil Sheen: None-	7 Trace (<5%)		
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle maj Olive Gray	or & underline modifyii Brown Black	ng) Other		
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modifyin			
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	ay		
Subsurface sediment characteristics:		T.N.		· · · · · · · · · · · · · · · · · · ·		
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense		
Silt / Clay - Very Soft	Soft	Medium Sti	f Stiff	Very Stiff Hard		
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle maj Olive Gray	or & underline modifyii Brown Black	ng) Other		
Major Constituent Fine Medium Coars	se .	(Circle maj Gravel Sand	or & underline modifyin			
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	ау		
Biological: 0 - 5 %	Debris: O	- 5 %	Oil Sheen: None	Trace (<5%)		
Comments: Biological: MNVS Debons Sicaves,	sels of	vanda	el			
		310 TO 31				
			F			

# SD-PER426-1213

QUA	LITATIVE SA	AMPLE CH	HARACT	ERISTIC	S	P	age of
Coordinate Datum		Date (mm/dd		Project Loc		Sample Identii Number	
		15-11-	CHARLE	eing PL2		D-PER 426	RI
Coordi	nates			Water De	epth		Time
North		East			Unit Rep	Gear	
194224	1276	146		21-3	f t \	0.2 Grab	1005
Penetration  Depth Unit Initials S S S Weather S S S S S S S S S S S S S S S S S S S	ther iii (%)		icial Wood act Points			X 5 =	%
Surficial sediment characteristics:							
Biological: 100 %	Debris:	R	_% Oi	I Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Mois	t Damp	Dry					9
Color Light Medium Dark					<b>modifying)</b> Black	Other	ni
Major Constituent Fine Medium Coar	se	(Circ Gravel	cle major & Sand	underline Silt	modifying)		
Minor Constituent with trace Fine Medium Coar	se	Gravel	Sand	Silt	Clay		
Subsurface sediment characteristics:							-
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Medi	ium Dense	Der	nse	Very Dense	
Silt / Clay - Very Soft	Soft	Medi	ium Stiff	Stif	f	Very Stiff	Hard
Moisture  Very Wet Wet Mois	t Damp	Dry					
Color Light Medium Dark		Olive (Circ			modifying) Black	Other	
Major Constituent Fine Medium Coa	rse	(Circ Gravel	Sand	silt Silt	modifying) Clay		
Minor Constituent with trace Fine Medium Coa	rse	Gravel	Sand	Silt	Clay		
Biological: TRACE %	Debris:	Trace	_	il Sheen:	None	Trace (<5%)	%
Comments:	***************************************				ě	***************************************	
			AN	IEU Proj. )-PER42(	. BPZ <del>Per</del>	imeter	
MUSSELS			QS	C Form			-
		/		ials: 6			_ =
			Da	ie: <u>\</u> ₹/	\\/201	3 Time: 🚶	05 -
					1000		_

	QUALITATIVE S	AMPLE CHAR	ACTERISTICS	Pa	age of
Coordinate Dal	lum	Date (mm/dd/yy)	Project Location	Sample Identifi Number	
		15-11-13	Boeing PL2	SD-PER 426	RZ
	Coordinates		Water Depth		Time
North		East	Depth Unit	Rep Gear	
194230	12761	46	21.5 ft	2 0.2 Grab	piel
Penetration  Depth Unit Initials S  C m TT	Weather Seuli &	Surficial V	Vood Estimate: oints .,	X 5 = _	%
Biological:  Moisture		TRACE %	Oil Sheen: Nor	Trace (<5%)	%
Very Wet Wet  Color Light Medium	Moist Damp  Dark		ajor & underline modif Brown Black	(ying) Other	
Major Constituent Fine Medium  Minor Constituent with trace Fine Medium	Coarse	(Circle ma Gravel Sar Gravel Sar	Managara Aligana Aligana (Para Aligana)	Clay	~
Density / Consistency  Sand / Gravel - Very  Silt / Clay - Very  Moisture	Loose Loose Soft Soft	Medium D Medium S		Very Dense Very Stiff	Hard
Very Wet Wet  Color Light Medium  Major Constituent Fine Medium	Moist Damp  Dark  Coarse	Olive Gray	ajor & underline modi Brown Black ajor & underline modi nd Silt	Other	
Minor Constituent with trace Fine Medium  Biological:  Comments:	Coarse _% Debris:	Gravel Sar		Clay  Trace (<5%)	9

QUAL	ITATIVE SA	MPLE CHAR	ACTERISTICS		Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location		entification nber
		15-11-13	Boeing PL2	SD-PER 4	26 R3
Coordin	nates		Water Depth		Time
North		East	Depth Unit	Rep Gear	
194228	127619	+2	223 f t	3 0.2 Grab	1034
Penetration 🖁	v	Surficial V	lood Estimate:		
Penetration  Depth Unit Initials	her (%)	Contact P	oints		
10 cm 019 1 +-3			<u> </u>	X 5 =	%
Surficial sediment characteristics:		1700		_	
Biological:%	Debris: TRI	ACE %	Oil Sheen: No	one Trace (<5	5%)%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle ma	jor & underline mod Brown Black		
Major Constituent Fine Medium Coars	se	(Circle ma Gravel San	jor & underline mod d Silt	ifying) Clay	ARPHOLOGY SHOWS
Minor Constituent with trace Fine Medium Coars	se	Gravel San	d Silt	Clay	
Subsurface sediment characteristics:					7 - W - S - W - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - S - W - W
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium D	ense Dense	Very Der	nse
Silt / Clay - Very Soft	Soft	Medium S	uff Stiff	Very Stiff	f Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			ajor & underline mod Brown Black		
Major Constituent (Fine Medium Coars	se	(Circle ma Gravel Sar	ajor & underline mod	lifying) Clay	
Minor Constituent with trace			lar.		
Fine Medium Coars	se .	Gravel Sar	nd Silt	Clay	- 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100
Biological: TRACE %	Debris:	THCE %	Oil Sheen: N	one Trace (<	5%)%
Comments: WarmS	4			L	
	- 17 P	*			
	P	The same	No to Select to the selection		
	HENE ARES				

# GRAB SAMPLE CHAIN OF CUSTODY FORMS

DECEMBER 2013

#### AMEC CHAIN OF CUSTODY 3500 188th St. SW, Suite 601 Lynnwood,WA 98037 (425) 921-4000 AMEC Proj. BP2 Perimeter **Analysis Containers** COC Number 036 Zn Recorded by: _____ SMS Metals (As, Cd, PCBs (by Aroclor) Cr, Cu, Pb, Hg, Ag, TOC, and Archive AIVIEU Proj. BP2 Perimeter SD-PER401-1213 )ate: Number of containers COC Form Initials: 65 % Date: 12 /19 /2013 Time: 817 Time: AMEC Proj. BP2 Perimeter SD-PER402-1213 Date: Number of containers QSC Form Initials: ESW Date: 12 / 10 /2013 Time: 949 Time: AMEC Proj. BP2 Perimeter Number of containers Date: SD-PER403-1213 COC Form Initials: 65 M Time: Date: 12 / 10 /2013 Time: 11 9 7 AMEC Proj. BP2 Perimeter Date: Number of containers SD-PER201-1213 COC Form Initials: 65 % Time: Date: 12 /10 /2013 Time: 1327 AMEC Proj. BP2 Perimeter Date: Number of containers SD-PER202-1213 COC Form Initials: GIM Time: Date: 12 / 10 /2013 Time: 1435 AIVIEU Proj. BPZ Perimeter Date: Number of containers SD-PER404-1213 COC Form Initials: 63 M

Laboratory Sample Receipt ARI Project Manager-Kelly Bottem AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com.ph 425-921-4023) AMEC Laboratory Coordinator-Crystal Neirby (crystal.neirby@amec.com ph. 206-838-8469) Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis.

Time:

ate:

Date: 12 / 11 /2013 Time: 8 7 2

Date: \2 / \\ /2013 Time: 9\7

AIVIEU Proj. BP2 Perimeter

SD-PER406-1213 COC Form Initials: 637

Relinquished By	Received By				
Name: JenniferBellany	Name: Mills: P				
Date:	Date: 17/11/12				
12/11/13 Time: 15:35	Time: 1535				

Number of containers

#### AMEC

3500 188th St. SW, Suite 601 Lynnwood,WA 98037

## CHAIN OF CUSTODY

(425) 921-4000 AMEC Proj. BP2 Perimeter		Ana	alysis Contain	ers	
COC Number 037		SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)	Archive		Recorded by: SSY Checked by:
SD-PER426-1213 COC Form	Date: Time:	1			Number of containers
AMEC Proj. BP2 Perimeter SD-PER203-1213 COC Form Initials: 65% Date: 12/11/2013 Time: 1156	Date:	\			Number of containers
ANIEC Proj. BP2 Perimeter SD-PER204-1213 COC Form Initials: 65 N Date: 12 / N /2013 Time: 1238	Dale:	\			Number of containers
ANIEU Proj. BP2 Perimeter SD-PER205-1213 COC Form Initials: Date: 12 / 1 /2013 Time: 13 3 4	Dale: Fime:	1			Number of containers
Place Sample ID Label Here or Write ID Number Here	Date:				Number of containers
Place Sample ID Label Here or Write ID Number Here	Date:				Number of containers
Place Sample ID Label Here or Write ID Number Here	Date:				Number of containers
Laboratory Sample Pecaint		Reli	nguished By		Received By
Laboratory Sample Receipt  ARI Project Manager—Kelly Bottem  AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com ph 425-921-4023)  AMEC Laboratory Coordinator—Crystal Neirby (crystal.neirby@amec.com ph. 206-838-8469)		Name:	ifer Bellan	Nam Date	Senniser Milkry

Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis.

#### **AMEC** 3500 188th St. SW, Suite 601 Lynnwood,WA 98037

**CHAIN OF CUSTODY** 

Admin\Field Forms\COC

(425) 921-4000					
AMLU Proj. BP2 Perimeter		Ar	nalysis Contain	ers	]
COC Number 038		SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)	Archive		Recorded by: 45V
		N 1. O O	힏		
2013 Time: 86 4	Date:	\ \ \	Ą		Number of containers
ANTEC Proj. BP2 Perimeter SD-PER206-1213 COC Form Initials: 63% Date: 12 /12 /2013 Time: 925	Date: Time:	)			Number of containers
SD-PER207-1213 COO Form Initials: (3 ) Date: (2 / 12 /2013 Time: 95 2	Date:	1			Number of containers
AMEC Proj. BP2 Porimeter	Tate:				Number of containers
SD-PER209-1213 COC Form Initials:	Date:	\			Number of containers
AMEU Proj. BP2 Perimeter SD-PER101-1213 COC Form Initials: 65 \(\cappa\) Date: \(\frac{12}{12}\)/\(\frac{1}{2}\)/2013 Time: \(\frac{755}{25}\)	Oate:	)			Number of containers
AMEC Proj. BP2 Perimeter SD-PER106-1213 COC Form	Date:				Number of containers
			uished By		Received By
ARI Project Manager—Kelly Bottem AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com ph 425-921-4023) AMEC Laboratory Coordinator—Crystal Neirby (crystal.neirby@amec.com ph. 206-838-8469)		Name:	fer Bellan	Name:	Tryler sheets
Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis.		Time:		Time:	1500

#### AMEC

3500 188th St. SW, Suite 601 Lynnwood,WA 98037 (425) 921-4000

Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis.

## **CHAIN OF CUSTODY**

AMEC Proj. BP2 Perimeter COC Number 039  AMEC Proj. BP2 Perimeter SD-PER126-1213 COC Form Initials: Date: 12/13/2013 Time: 93	Date: Time:	SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)	Archive Archive	ers	Recorded by: Checked by: Number of containers
AMEC Proj. BP2 Perimeter SD-PER210-1213 COC Form Initials: 65 4 Date: 12 / 13 /2013 Time: 121	Tale:			<u>l</u>	Number of containers
AMEC Proj. BP2 Perimeter SD-PER230-1213 COC Form Initials: 65 N Da.3: 12/13/2013 Time: 1207	Date:	1			Number of containers
AMEC Proj. BP2 Perimeter  SD-PER301-1213  COC Form Initials: 5 1 Date: 12/13/2013 Time: 13.91	rale:	Y			Number of containers
Place Sample: ID Label Here or Write ID Number Here	Date: Time:				Number of conlainers
Place Sample ID Label Here or Write ID Number Here	Date:				Number of containers
Place Sample ID Label Here or Write ID Number Here	Date: Time:		4.6		Number of containers
Laboratory Sample Receipt			uished By		Received By
ARI Project Manager—Kelly Bottem  AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com ph 425-921-4023)  AMEC Laboratory Coordinator—Crystal Neirby (crystal.neirby@amec.com ph. 206-838-8469)  Sediment samples are unhomogenized. Samples must be thoroughly.		Name:  OGAN  Date:  12   3	ife Be	Name: Date:	Tanjer Streeter 12:13-13

1500

Admin\Field Forms\COC

#### AMEC

3500 188th St. SW, Suite 601 Lynnwood,WA 98037 (425) 921-4000

## **CHAIN OF CUSTODY**

		An	alysis Contain	ers	
AMEC Proj. BP2 Perimeter COC Number 040	8	SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)	Archive		Recorded by: SIM
AMEC Proj. BP2 Perimeter SD-PER302-1213 COC Form Initials: 630 Date: 13 / 14 /2013 Time: 800	Date:	guirran.			Number of containers
AMEC Proj. BP2 Perimeter SD-PER303-1213 COC Form Initials: 55 The part of the	Date:	)			Number of containers
AMEC Proj. BP2 Perimeter SD-PER312-1213 COC Form Initials: 5 \( \frac{1}{2} \) /2013 Time: \( \frac{9}{3} \) 5	ale:	ļ			Number of containers
AMEC Proj. BP2 Perimeter SD-PER304-1213 COC Form Initials: SD-PER305-1213 Date: 12 / 16 /2013 Time: 12 2 1	Time:	)			Number of containers
AMEC Proj. BP2 Perimeter SD-PER313-1213 COC Form Initials: 620 Date: 12/15/2013 Time: 150	Date:	1			Number of containers
AMEC Proj. BP2 Perimeter SD-PER307-1213 COC Form Initials: 5 1 1 2 2 5 Date: 12 1 1 2 2 5	Date:	1			Number of containers
AMILO Proj. BPZ Perimeter SD-PER327-1213 COC Form Initials: Date: 12/16/2013 Time: 1303	Date: Time:	1			Number of containers
cample receipt		Reling	uished By		Received By
ARI Project Manager—Kelly Bottem		Name:	7	Name:	

AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com.ph. 425-921-4023)

AMEC Laboratory Coordinator—Crystal Neirby (crystal.neirby@amec.com.ph. 206-838-8469)

Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis.

Relinquished By	Received By			
Name:	Name:			
Date:	Date:			
12-17-13	19/17/15			
Time:	Time:			
1512	15i <i>a</i>			

#### AMEC CHAIN OF CUSTODY 3500 188th St. SW, Suite 601 Lynnwood,WA 98037 (425) 921-4000 AMEC Proj. BP2 Perimeter **Analysis Containers** COC Number 041 Zn SMS Metals (As, Cd, PCBs (by Aroclor) Cr, Cu, Pb, Hg, Ag, Recorded by: TOC, and Checked by: Archive AMEC Proj. BP2 Perimeter SD-PER213-1213 Date: Number of containers COC Form Initials: 650 Date: 12/17 /2013 Time: 939 Time: AMLU Proj. BP2 Perimeter Date: Number of containers SD-PER212-1213 COC Form Initials: AFK Time: Date: 12/ 7/2013 Time: 1005 AIVIEU Proj. BP2 Perimeter Date: Number of containers SD-PER103-1213 COC Form Initials: 637 Date: 10/17/2013 Time: 1055 Time AMEC Proj. BP2 Perimeter Date Number of containers SD-PER102-1213 COC Form Initials: 65 Date: 12 0 7 / 12013 Time: 12 0 7 Time: AIVIEU Proj. BPZ Perimeter Date: Number of containers SD-PER104-1213 COC Form Initials: 65% Date: 12 / 17 /2013 Time: 12 5 & Time: Date: Number of containers Place Sample ID Label Here or Write ID Number Here Time: Date: Number of containers Place Sample ID Label Here or Write ID Number Here Time: Relinquished By Laboratory Sample Receipt Received By Name: Name: ARI Project Manager-Kelly Bottem AMEC Project Manager-Cliff Whitmus (cliff whitmus@amec.com ph 425-921-4023)

Time:

AMEC Laboratory Coordinator—Crystal Neirby (crystal neirby@amec.com ph. 206-838-8469)

Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis.

Admin\Field Forms\COC

Date:

Time:

1517

#### AMEC 3500 188th St. SW, Suite 601 Lynnwood,WA 98037

Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis.

(425) 921-4000

## CHAIN OF CUSTODY

AMEC Proj. D-2 Pelinister			nalysis Contain	ers	
COC Number 333		SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)	Archive		Recorded by: Checked by:
por construction of the control of t		8 7 7 G	Ā		
AMEC Proj. BP2 Perimeter SD-PER308-1213 COC Form Initials: Date: 12 / 12 / 2013 Time: 8 28 28 28 28 28 28 28 28 28 28 28 28 2	Date:	)			Number of containers  Number of containers
SD-PER309-1213 COC Form Initials: 5 1	Time:	)			Number of containers
AMEC Proj. BP2 Perimeter SD-PER310-1213 COC Form Initials: 63 10 Date: 12 / 10/2013 Time: 1996	IDate:	)			Number of containers
AMEC Proj. BP2 Perimeter SD-PER105-1213 COC Form Initials: (2) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \(	le: 1e:	-			Number of containers
AMEU Proj. BP2 Perimeter SD-PER211-1213 COC Form Initials: 650 Date: 12/14/2013 Time: 13 51	Time:				Number of containers
ANIEU Proj. BP2 Perimeter SD-PER306-1213 COC Form Initials: Date: 12 / 14 /2013 Time: 13 5 2	Date:	J			Number of containers
Place Sample ID Label Here or Write ID Number Here	Date: Time:				Number of containers
Laboratory Sample Receipt		Reling	uished By		Received By
ARI Project Manager—Kelly Bottem AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com ph 425-921-4023) AMEC Laboratory Coordinator—Crystal Neirby (crystal neirby@amec.com ph. 206-838-8469)		Name: JESSI Date:	N 1	Name:	Volgarasen

Admin\Field Forms\COC

Time:

#### AMEC 3500 188th St. SW, Suite 601 Lynnwood,WA 98037

## CHAIN OF CUSTODY

(425) 921-4000			1 : 0 ! :		
AIVIEU Proj. BPZ Perimeter	1		alysis Containe	ers	
COC Number 031		SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)			Recorded by: 65 M
		SMS Metals Cr, Cu, Pb, TOC, and PCBs (by,	Archive		
		SM.	Arc		
AMEC Proj. BP2 Perimeter SD-PER311-1213 COC Form Initials:	Date: Time:	)			Number of containers
Date: 12 / 20 /2013 Time: 1008					1
AMEC Pro BP2 Perimeter SD-PER305 13 COC Form	Dale:	V			Number of containers
Initials:				.1	
AIVIEU FIUJ. DEZ PERIMEIER SD-PER 3 14-1213	Dale:				Number of conlainers
SD-PER ST 1210 COC Form SD-PER 304-1213 Initials: 67 12013 Time: 1245 Date: 12013 Time: 1245	Time:				
	Date:				Number of containers
or Write ID Number Here					
	Time:				
Place Sample ID Label Here or Write ID Number Here	Dale:				Number of containers
	Time:	1			
Place Sample ID Label Here or Write ID Number Here	Date:				Number of containers
or write in runner rice	Time:		*		
	Date:				Number of containers
Place Sample ID Label Here or Write ID Number Here					3
C. TING IS INCIDENTIALS	Time:	1			
		Delia	quished By		Received By
Laboratory Sample Receipt  ARI Project Manager—Kelly Bottem		Name:		Name:	Treceived by
AMEC Project Manager—Cliff Whitmus (cliff whitmus@amec.com ph 425-921-4023)  AMEC Laboratory Coordinator—Crystal Neirby		Date:	- 3	Date:	Volgarden
(crystal.neirby@amec.com ph. 206-838-8469)		Tima:	100/15	Time:	12/20/13
Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis		Time:	335	98 ************************************	AdminIField Forms\COO

# GPS CHECK FORMS

DECEMBER 2013

Date: 12-18-13	
Project: Perinter Monitoring	Recorder: 650
Calculated Location of Reference Station	
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing 196376
	Easting 1274699
	Units of Measure: Survey Feet
Reference Station Description: Piling at downstream end of the channel side dock.	end of the South Park Marina at the
Start of Day	
Time: 7',50	Northing 194375,95
Coordinate Datum Setup Confirmed: <u>yes</u>	Easting 1274699, 25
Comments:	
	ž.
End of Day	
Time: 1558	Northing 196371
Coordinate Datum Setup Confirmed:	Easting 1274697
Comments:	The state of the s
. 4	

Date: 12/11/13	
Project: Boeing Perimeter Monter,	ng Recorder: <u>JB</u>
Calculated Location of Reference Station	
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing196376
	Easting 1274699
	Units of Measure: Survey Feet
Reference Station Description: Piling at downstream end of the channel side dock.	end of the South Park Marina at the
Start of Day Time: 8.0	Northing 196376
Coordinate Datum Setup Confirmed: Yes	Easting 127 4698
Comments:	
, 1	
End of Day  Time: 2'57	Northing 196378  Easting 1274697
Coordinate Datum Setup Confirmed: <u>yes</u>	Easting 12746977
Comments:	

Project: Biling Perimeter mon toring	_	Recorder: B
Iculated Location of Reference Station		Tr.
	Coordinate Datum: <u>\</u>	VA State Plane, NAD 83
	Zone: N	North Zone
Reference Station Name: Check Point 1	Northing _	196376
	Easting _	1274699
	Units of Measure: S	Survey Feet
erence Station Description: Piling at downstream	end of the South Pa	ark Marina at the
nd of the channel side dock.		¥
nd of the charmer side dock.		2.0.04.0
ş		
Start of Day		010-1
Time: 7/50.	Northing _	196376
Coordinate Datum Setup Confirmed: <u>Yes</u>	_ Easting _	1274700
Comments:		
End of Day		196325
	Northing _	196375
End of Day		196375
End of Day Time: 244		
End of Day Time: 244	Easting _	
End of Day  Time: 244  Coordinate Datum Setup Confirmed: 765	Easting _	

	e v t
Date: 12/13/13	
Project: Boling Pring ter reon Hon	ng Recorder: JB
Calculated Location of Reference Station	Condinate Datum, WA State Plane NAD 83
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing 196376
	Easting 1274699
	Units of Measure: Survey Feet
eference Station Description: Piling at downstream	end of the South Park Marina at the
end of the channel side dock.	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Chart of Day	
Start of Day Time: 7.40	Northing 196 3 76
	10217017
Coordinate Datum Setup Confirmed:	Easting
Comments:	
End of Day  Time: 2.20	Northing 196376
Time: 4,40	Easting 127 4699
Coordinate Datum Setup Confirmed:	Easting 12/4699
Comments:	. B . B . E . E . E . E . E . E . E . E

Date: 12-16-13	
Project: Bocing Pirmiter Monitor	Recorder: 651
Calculated Location of Reference Station	
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing 196376
a a	Easting 1274699
	Units of Measure: Survey Feet
Reference Station Description: Piling at downstream	end of the South Park Marina at the
end of the channel side dock.	
Start of Day	
Time: 7 45	Northing 196376
Coordinate Datum Setup Confirmed:	Easting 1274700
Comments:	
End of Day	
Time: 1352	Northing 196378
Coordinate Datum Setup Confirmed:	Easting 1274699
Comments:	

Date: 17-13	
Project:	Recorder: 65 M
Calculated Location of Reference Station	
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing 196376
e ⁸	Easting 1274699
	Units of Measure: Survey Feet
Reference Station Description: Piling at downstream	end of the South Park Marina at the
end of the channel side dock.	
Start of Day	(i) (ii) (iii) (ii
Time: 808	Northing 196 37 7
Coordinate Datum Setup Confirmed:	Easting 1274699
Comments:	
ſ	
End of Day	y-e
Time: 1437	Northing 196376
Coordinate Datum Setup Confirmed:	Easting 127 4700
Comments:	** 3 ** ** ** ** ** ** ** ** ** ** ** **

Project: Boeing Parinetor M.	onitoring Recorder: 65%
Calculated Location of Reference Station	
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing196376
	Easting 1274699
	Units of Measure: Survey Feet
Reference Station Description: Piling at downstrear end of the channel side dock.	n end of the South Park Marina at the
Start of Day Time: 832	Northing 1963 75
Coordinate Datum Setup Confirmed:	Easting 1274699
Comments:	
End of Day	Northing
Time:	Northing
Coordinate Datum Setup Confirmed:	Easting
Comments:	

•	
Date: 12/19/13	
Project: Bocky Permeter monitor	ng Recorder: <u>JB</u>
ر Calculated Location of Reference Station	
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing 196376
	Easting 1274699
	Units of Measure: Survey Feet
eference Station Description: Piling at downstream end of the channel side dock.	end of the South Park Marina at the
Start of Day  Time: 5/07	Northing 196377
Coordinate Datum Setup Confirmed:	Easting 1974699
Comments:	
End of Day Time: 15 '06	Northing / 96375
Coordinate Datum Setup Confirmed: \\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	Easting 1274699
Comments:	e de
e	

Date: _ 20-1 ]	
Project: Pointer Minterior	Recorder:
Calculated Location of Reference Station	
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing 196376
	Easting 1274699
	Units of Measure: Survey Feet
eference Station Description: Piling at downstream	
end of the channel side dock.	
Start of Day  Time: 554	Northing 196373
Coordinate Datum Setup Confirmed:	Easting \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Comments:	
End of Day	
End of Day Time: 1416	Northing 196376
200 Stories 2	127 (1700
Time: 1416	Easting 127 4700

# POSTCONSTRUCTION GRAB SAMPLE QUALITATIVE CHARACTERISTICS FORMS

**MARCH 2014** 

# SD-PER101-0314

QUALI	TATIVE SA	MPLE CHARA	CTERISTI	CS	F	Page of
		Date	1		Sample Identi	fication
Coordinate Datum		(mm/dd/yy)	Project Lo	ocation	Numbe	
		3-12-14	Boeing PL2		SD-PER 19	1
Coordina	tes		Water D	Depth		Time
North	1271442		Depth	Unit Rep	Gear	
199739	127145	+ 3	21-1	f t 1	0.2 Grab	1108
Penetration Penetration	y o	Surficial W	ood Estimate	:		
Penetration  Depth Unit Initials SO Weather	Fines (%)	Contact Po	ints			
12 cm 654 5474	<b>y</b>				X 5 =	%
Surficial sediment characteristics:	•					
Biological:% D	Debris:	Trace %	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry		C 200		
Color Light Medium Dark		(Circle maj	or & underline	e modifying Black	g) Other	
Major Constituent			or & underline			140 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 - 150 -
Fine Medium Coarse		Gravel Sand				
Minor Constituent with trace Medium Coarse		Gravel Sand	3 Silt	Clay		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse De	nse	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stif	f Sti	ff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	or & underline Brown	e modifying Black	g) Other	
Major Constituent Fine Medium Coarse		(Circle maj	or & underline	e modifying Clay		
Minor Constituent with trace Fine Medium Coarse		Gravel Sand	Silt	Clay	/	
Biological:% D	ebris:	3 %	Oil Sheen:	None	Trace (<5%)	%
Comments: Debos: 1eaves.		j. BP2 Perimeto				
		1-0314 Initia				
1000 100 000 000 000 000 000 000 000 00			15			<del></del>
	QSC Form			-		
	Date: 3	<u>/ パン</u> /2014 T	me:			
		100				

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QUALITATIVE SAMPLE CHARACTERISTICS Pageof						
Coordinate Datum		Date (mm/dd/yy)	Project Location		Sample Identif Number	
		7-15-14	Boeing PL2	SD	-PER 10	1
Coordi	nates		Water Depth		1	Time
North		East	Depth Unit		Gear	
199742	1271441	4	71.2 f t	5	0.2 Grab	1150
Penetration  Depth Unit Initials SO Weat  Com 63 M Same  Surficial sediment characteristics:		Surficial Wo	ood Estimate: nts	<del>101 - 1</del> 0	X5 = _	%
Biological:%	Debris:	ivace %	Oil Sheen: No	ine	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry				(6) (*)
Color Light Medium Dark			Brown Black		Other	V.
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modi	i <b>fying)</b> Clay		4,
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay		
Subsurface sediment characteristics:				1041	8	335
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense		Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	)	Olive Gray	r & underline modi Brown Black		Other	75.00 - 100 10 - 10 - 10 - 10 - 10 - 10 -
Major Constituent (Fine) Medium Coars	se	(Circle majo Gravel Sand	or & underline modi	i <b>fying)</b> Clay	-	
Minor-Constituent with trace (Fine) Medium Coars	se	Gravel Sand	Silt	Clay		
Biological:%	Debris:	FREL %	Oil Sheen: No	ne	Trace (<5%)	%
Comments: Debns: leaves						
			19820 47 3 20			
	AL - ROW - 10 AM - ST				4	
						Amın\Field Forms\QSC

QUALITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum	Date (mm/dd/yy)	Project Location	Sample Identification Number
	3-12-14 E	Boeing PL2 S	D-PER 191
Coordinates		I Water Beath	Thomas
North	East	Water Depth Depth Unit Rep	Time
	448	20,9 f t 3	0.2 Grab   1 3 )
Penetration  Depth Unit Initials S S Weather S Way  12 c m 63 V7 S way  S way	Surficial Woo Contact Poin		X 5 =%
Surficial sediment characteristics:			
Biological:% Debris:	race %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist Damp	Dry		
Color Light Medium Dark	Olive Gray	& underline modifying Brown Black	Other
Major Constituent Fine Medium Coarse	(Circle major Gravel Sand	& underline modifying Silt Clay	
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:			
Density / Consistency			
Sand / Gravel - Very Loose Loose	Medium Dens	e Dense	Very Dense
Silt / Clay - Very Soft Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist Damp	Dry		
Color Light Medium Dark	Olive Gray	<b>&amp; underline modifying</b> Brown Black	Other
Major Constituent Fine Medium Coarse	(Circle major Gravel Sand	& underline modifying Silt Clay	
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	Silt Clay	
Biological:% Debris:		Oil Sheen: None	Trace (<5%)%
Comments: Debns: Icaves,			
	7 20 200		
		7.0131	
	E 1044 - 10000-1013		Amin\Field Forms\QSC

# SD-PER102-0314

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum	-840 9 460	Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-13-14	Boeing PL2	SD-PER 102
Coordin	ates		Water Depth	Time
North		East	Depth Unit Rep	
199 652	127	1399	28.4 f t	0.2 Grab 132 9
Penetration  Depth Unit Initials S Weath  C m C N Port  Surficial sediment characteristics:	ner, ii	Surficial Wo Contact Poil	od Estimate: nts	X 5 =%
Biological:%	Debris:	Tae %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifyin Brown Black	Other
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	r & underline modifyin	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Cla	y
Subsurface sediment characteristics:				
Density / Consistency			<b>S</b>	
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wel Moist	Damp	Dry		τ
Color Light Medium Dark	> ,	Olive (Circle majo	<b>r &amp; underline modifyi</b> n Brown Black	Other
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	r & underline modifyin Silt Cla	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	у
Biological:%	Debris:	raée %	Oil Sheen: None	Trace (<5%)%
Comments:	ted his	(/:42	*	
Debris: leaves,	Proj. BP2 Peri	imeter		2
V		Initials: 65 M		
QSC Fo	orm			
		014 Ti.ne: 13 2	9	
1			*	Amın\Field Forms\QSC

QUAL	ITATIVE SA	AMPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
	W-8931 W-2-2-2	3-13.14		SD-PER 102
Coordir	nates		Water Depth	Time
North	lates	East	Depth Unit Re	
199660	1271	398	29.0 f t =	
	her Lies	Surficial Wo	ood Estimate:	X 5 =%
Surficial sediment characteristics:				
Biological:%	Debris:	Trace %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	1	Olive Gray	or & underline modifyir Brown Black	Other
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	or & underline modifyin	0.
Minor Constituent with trace Eine Medium Coars	е	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:				
Density / Consistency			Nati	
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	or & underline modifyir Brown Black	Other
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	or & underline modifyir Silt Cla	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	у
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Comments: Biological · Warms				
Delenki leaves to	S/A/S .	26178 3 HOLDER TO THE RESERVE OF THE		
	<b>V</b>			
			(4) - 10-10-10-10-10-10-10-10-10-10-10-10-10-1	
1				
				6
ANTO OFFICE	99th Ct C\A/ 6		-4 MA 00027 (425)	Amin\Field Forms\QSC

QUALITATIVE SAMPLE CHARACTERISTICS Page of					
Coordinate Datum		Date mm/dd/yy)	Project Location	Sample Identification Number	
		17		SD-PER 192	
Coordina	tes		Water Depth	Time	
North	East		Depth Unit Re	2009000	
199654	1271398	5	28.4 f t 3		
Penetration &	ω .	Surficial Woo	od Estimate:		
Penetration  Depth Unit Initials SO S Weather	Fines (%)	Contact Poin			
15 cm 6>m punt clow	124			X 5 =%	
Surficial sediment characteristics:	,				
Biological:% D	Debris: Tra	ce_%	Oil Sheen: None	Trace (<5%)%	
Moisture Very Wet Wet Moist	Damp D	ry			
Color Light Medium Dark	Olive		& underline modifyir Brown Black	g) Other	
Major Constituent Fine Medium Coarse	Grav		& underline modifyin		
Minor Constituent with trace Fine Medium Coarse	Grav	el Sand	Silt Cla	у	
Subsurface sediment characteristics:					
Density / Consistency			20		
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense	
Silt / Clay - Very Soft	(Soft)	Medium Stiff	Stiff	Very Stiff Hard	
Moisture  Very Wet Web Moist	Damp D	ry			
Color Light Medium Dark	Olive		r <b>&amp; underline modifyir</b> Brown Black		
Major Constituent Fine Medium Coarse	Grav		* & underline modifyir Silt Cla		
Minor Constituent with trace Fine Medium Coarse	Grav	el Sand	Silt Cla	у	
Biological: % [	Debris:	ee %	Oil Sheen: None	Trace (<5%) %	
Comments: Delans: + wigs , rot	1				
			1000	ALS DESCRIPTION OF THE PROPERTY OF THE PROPERT	
			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
1					

# SD-PER103-0314

QUALITATIVE SAMPLE CHARACTERISTICS Page of					
Coordinate Datum	N HALDKING TO THE TOTAL TO THE	Date (mm/dd/yy)	Project Location	Sample Identifica Number	ation
		3-12-14	Boeing PL2	SD-PER 193	
Coordin	nates		Water Depth		Time
North		East	Depth Unit Re	ep Gear	
199660	127150	03	f t \	0.2 Grab	1222
Penetration  Depth Unit Initials S S Weat		Surficial Woo		X5 =	<u></u> %
Surficial sediment characteristics:					
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry			4
Color Light Medium Dark			& underline modifying Brown Black	ng) Other	
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	& underline modifyin		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	ay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	)		& underline modifyii Brown Black	ng) Other	Ē
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline modifyli Silt Cl	. 177.51	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cl	ay	
Biological:%	Debris:	<u> </u>	Oil Sheen: None	Trace (<5%)	%
Comments:	40000	+, get	mater legt	4	
Debns: leaves.					
		Ar	MEC Proj. BP2 Peri	meter	
		SD	DED100	nitials: 63 m	
		Qs	C Form		
		Dat	re: 3 /2/201	4 Time: 1232	<u> </u>

QUALITATIVE SAMPLE CHARACTERISTICS Page of					
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
	-11 - 11 - 1/7	3-12-14 BO	peing PL2 S	D-PER 103	
Coo	rdinates		Water Depth	Time	
North	Tuniates	East	Depth Unit Rep	Gear	
199664	12715		23.6 f 1 2	0.2 Grab 12 34	
17 cm 657 500	eather II (%)	Surficial Wood Contact Points	# 15050	X 5 =%	
Surficial sediment characteristics:	Balain T	- P.			
Moisture Very Wet Wet Mc		Dry 0.	il Sheen: None	Trace (<5%)%	
Color Light Medium Da	rk	- PATER	underline modifying own Black	Other	
Major Constituent Fine Medium Co	arse	(Circle major 8 Gravel Sand	silt Clay		
Minor Constituent with trace Fine Medium Co	arse	Gravel Sand	Silt Clay	-	
Subsurface sediment characteristics Density / Consistency	•				
Sand / Gravel - Very Loos	se Loose	Medium Dense	Dense	Very Dense	
<u>Silt / Clay -</u> Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard	
Moisture  Very Wet Wet Mo	sist Damp	Dry			
Color Light Medium Da	rk)	(Circle major &	underline modifying own Black	Other	
Major Constituent Fine Medium Co	arse	(Circle major 8 Gravel Sand	underline modifying Silt Clay		
Minor Constituent with trace Eine Medium Co	arse	Gravel Sand	Silt Clay		
Biological:%	Debris:	<u> </u>	il Sheen: None	Trace (<5%)%	
Comments: Debrs: leaves					
17-					

QUALITATIVE SAMPLE CHARACTERISTICS Page of					
Coordinate Dat	um	Date (mm/dd/yy)	Project Location	Sample Identification Number	
		- 11 11		SD-PER 103	
(	Coordinates		Water Depth	Time	
North		East	Depth Unit Rep		
199661	127 15	02	23.5 f t 3	0.2 Grab 1245	
Penetration  Depth Unit Initials S  C m 65 M	Weather Sunny	Surficial Woo		X 5 =%	
Surficial sediment characteristics	3				
Biological:	% Debris:	acc_%	Oil Sheen: None	Trace (<5%)%	
Moisture Very Wet Wel	Moist Damp	Dry			
Color Light Medium	Dark	(Circle major Olive Gray	& underline modifying Brown Black	g) Other	
Major Constituent Fine Medium	Coarse	(Circle major Gravel Sand	& underline modifying		
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	Silt Cla	·	
Subsurface sediment characterist	tics:		W = 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
Density / Consistency					
Sand / Gravel - Very l	Loose Loose	Medium Dens	e Dense	Very Dense	
Silt / Clay - Very S	Soft Soft	Medium Stiff	Stiff	Very Stiff Hard	
Moisture Very Wet Wet	Moist Damp	Dry			
Color Light Medium (	Dark		& underline modifying Brown Black	g) Other	
Major Constituent Fine Medium	Coarse	(Circle major Gravel Sand	& underline modifying		
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	Silt Clay	/	
Biological:	% Debris:	<u>\$</u> %	Oil Sheen: None	Trace (<5%)%	
Comments: Debris: leaves,	10.95				
		20 Marie Pili.			
			2.000		

# SD-PER104-0314

QUAI	ITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
	3-12-17 E			SD-PER 104
Coordin	nates		Water Depth	Time
North		East	Depth Unit Rep	
199574	12713	49	26.8 ft 1	0.2 Grab 13 o 3
Penetration  Depth Unit Initials O  Weat		Surficial Woo Contact Poin		X 5 =%
Surficial sediment characteristics:				
Biological:%	Debris: 1/2	aec_%	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			& underline modifying Brown Black	g) Other
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	& underline modifying	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Dens	e Dense	Very Dense
Silt / Clay - Very Soft	(Soft)	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			& underline modifying Brown Black	
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline modifying	
Minor-Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Clay	/
Biological: Trace %	Debris:	ace %	Oil Sheen: None	Trace (<5%)%
Comments: Biological worms DEBNS: Leaves, tw	90	OSC Form	P2 Perimeter  314 Initials: S	13 03
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QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-12-14		SD-PER 104
Coordin	nates	20 <u>10 10 10 10 10 10 10 10 10 10 10 10 10 1</u>	Water Depth	Time
North		East	Depth Unit Re	A CONTRACTOR OF THE PROPERTY O
199575	127 13	55	26.4 ft 2	
Penetration  Depth Unit Initials S S Weat  \[ Z \] c \[ m \] G S \[ M \] S S S S S S S S S S S S S S S S S S		Surficial Wo Contact Poi	od Estimate: nts	X 5 =%
Surficial sediment characteristics:	_			
Biological:%	Debris:	raer %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifyin Brown Black	g) Other
Major-Constituent (Fine) Medium Coars	e	(Circle majo Gravel Sand	r & underline modifyin Silt Cla	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	) Silt Cla	у
Subsurface sediment characteristics:				0000 0000
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	)		r & underline modifyin Brown Black	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modifyin Silt Cla	0,
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	) Silt Cla	у
Biological:%	**************************************	race %	Oil Sheen: None	) Trace (<5%)%
Comments: Debns: leaves, the Energical works	N19 5			
			The same of the sa	
				Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-12-14	Boeing PL2	D-PER 194
Coordin	nates		Water Depth	Time
North	1271356	Fast	Depth Unit Rep	Time
199569	127135		26-9 f t 3	0.2 Grab 1328
		-	1 1 1	U.Z GIAD 10 CO
Penetration  Depth Unit Initials S S Weat	her (%)	Surficial Wo	od Estimate:	
		Contact Poi	nts	V.5
Surficial sediment characteristics:			I <del></del>	X 5 =%
Biological: %	Debris:	( SZLC & %	Oil Sheen: None	Trace (<5%) %
Moisture			on one on	70
Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifying Brown Black	Other
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	r & underline modifying Silty Clay	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	(Soft)	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	ò		r & underline modifying Brown Black	
Major-Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modifying Silt Clay	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Clay	
Biological: Trace %	Debris:	MCC %	Oil Sheen: None	Trace (<5%)%
Comments: Beside real Works				
Delvery toward fra	Z 55.4			
	7/10/09/20			
40/00/000	ALSO SUPERIOR DE LA CONTRACTOR DE LA CON			
AMES SESS	0011 01 011: 0		J MA 00027 (405) 00	Amın\Field Forms\QSC

# SD-PER105-0314

QUAL	ITATIVE SAN	WPLE CHARAC	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-13-14	Boeing PL2	SD-PER 195
Coordin	nates		Water Depth	Time
North		East	Depth Unit Re	
199566	127144		28.4 f t	) 0.2 Grab ) 413
Penetration  Depth Unit Initials S S Weat  Surficial sediment characteristics:		Surficial Woo		X 5 =%
Biological:%	Debris:	aca_%	Oil Sheen: None	> Trace (<5%)%
Moisture  Very Wet Wet Moist	Damp	Dry		1
Color Light Medium Dark	Ç		& underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coars	e (	<b>(Circle major</b> Gravel Sand	& underline modifyi	
Minor Constituent with trace Fine Medium Coars	e (	Gravel Sand	Silt CI	ay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark-	,		<b>* &amp; underline modifyi</b> Brown Black	
Major Constituent Fine Medium Coars	se (	<b>(Circle majo</b> Gravel Sand	& underline modifyi	ng) ay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt CI	ay
Biological:%	Debris:	ere%	Oil Sheen: None	Trace (<5%)%
Comments:	n er en menne fritt filmminde en men må frittatt det til statt i 1970 frit det til statt i 1970 frit det til s			
Biological: Works Delond: Geosci, finis		SD-PER10	n	
		Date:	3 /2014 Tir	Amin\Freid Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-13-14	Boeing PL2	SD-PER 105
Coordin	ates		Water Depth	Time
North		East	Depth Unit Re	Secret enwayer
199570	12714	4)	28.7 ft 3	
Penetration  Depth Unit Initials V N Weath		Surficial W	ood Estimate:	V.5
Surficial sediment characteristics:	7		( <del>)</del>	%
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	CF		or & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underline modifyi	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	l Silt Cl	ay
Subsurface sediment characteristics:				· · · · · · · · · · · · · · · · · · ·
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			or & underline modifyi Brown Black	
Major Constituent Fine Medium Coars	se	(Circle ma Gravel Sand	jor & underline modifyi	ng) ay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	d Silt Cl	ay
Biological: Trace %.	Debris:	tree %	Oil Sheen: None	Trace (<5%)%
Comments:	4			
Dolonts Teams, The	J. J.			
1				
		V		

QUAL	ITATIVE SAI	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-13-14	Boeing PL2	SD-PER 195
Coordin	ales		Water Depth	Time
North	4.00	East	Depth Unit Re	WANTED ST
199575	12714:	50	28-4 f t -	
Penetration  Depth Unit Initials S S Weath		Surficial Wo	ood Estimate: ints	_ X5 =%
Surficial sediment characteristics:				
Biological;%	Debris:	aer %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo	Brown Black	ing) Other
Major Constituent Fine Medium Coars	е	(Circle major Gravel Sand	or & underline modify	i <b>ng)</b> lay
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt C	lay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	>		or & underline modify Brown Black	
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underline modify	ing) lay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sano	I Silt C	lay
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Comments:  Brological: Worms  Debre: Iranes for	•	1420		

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# SD-PER106-0314

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Datum		Date (mm/dd/yy)	Sample Identificat Project Location Number		cation	
	3-13-14	Boeing PL2	SI	D-PER 106		
Coordin	ates		Water Depth	n ]		Time
North	East		Depth Un	it Rep	Gear	
199431	127 1459		51'O t	t \	0.2 Grab	1134
Penetration  Depth Unit Initials O Weath		Surficial Wo	ood Estimate: nts		X5 = _	%
Surficial sediment characteristics:						
Biological:%	Debris:	race %	Oil Sheen:	Vone	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle majo Olive Gray	Brown Bla		Other	
Major Constituent  Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline mo	difying Clay	50	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt	Clay		
Subsurface sediment characteristics:					P ==	
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Der		T (	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	f Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive (Circle majo	or <b>&amp; underline m</b> o Brown Bla		Other	
Major Constituent Fine Medium Coars	se ·	(Circle majo Gravel Sand	or & underline mo	o <b>difying</b> Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay	-	
Biological:%	Debris:	roce_%	Oil Sheen:	None }	Trace (<5%)	%
Comments: Brelogical: Worm Debrick Raves, Reds	Z,	2 Parimotor				
AMEC Proj. BP2 Perimeter  SD-PER106-0314 Initials: 65 \(\Gamma\)  QSC Form						
		3/2014 Time: \\	34			
	XXV					Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of	
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
		3-13-14	Boeing PL2	SD-PER 196	
Coordin	nates		Water Depth	Time	
North		East	Depth Unit Re	p Gear	
199 428	12714	59	20.9 ft 2	- 0.2 Grab 1149	
Penetration  Depth Unit Initials  C m C SN Weat  Puriting Surficial sediment characteristics:		Surficial Wo	ood Estimate: nts	X 5 =%	
Biological: Trace %	Debris:	race %	Oil Sheen: None	) Trace (<5%)%	
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle majo Olive Gray	or & underline modifyir Brown Black	ng) Other	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modifyin		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	ау	
Subsurface sediment characteristics:	X				
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard	
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle majo	or <b>&amp; underline modifyi</b> Brown Black	ng) Other	
Major-Genstituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifying Silt Cl	- News	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt CI	ay	
Biological: Trace %	Debris:	dee %	Oil Sheen: None	Trace (<5%) %	
Comments: Sidlogical Waywe					
Delaris: leaves, him	95				
	<u> </u>				
			and the second s		

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number		
		3-13-14	Boeing PL2	SD-PER 106		
Coordi	nates		Water Depth		Time	
North		East	Depth Unit Rep	Gear	11110	
199426	12714		20-5 ft 3		1505	
Penetration  Depth Unit Initials  O c m 4 7 7 Wea	nes (°)		ood Estimate: nts	X 5 = _	%	
Surficial sediment characteristics:						
Biological: Trace %	Debris:	race %	Oil Sheen: None	) Trace (<5%)	%	
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	or & underline modifyin Brown Black	g) Other		
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & underline modifyin Silt Cla			
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt Cla	у		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense		
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard	
Moisture  Very Wet Wet Mois	Damp	Dry				
Color Light Medium Dark	)	Olive Gray	or & underline modifyin Brown Black	g) Other	N	
Major Constituent Fine Medium Coar	se \ .	(Circle majo Gravel Sand	or & underline modifyin Silt Cla			
Minor Constituent with trace Fine Medium Coar	se -	Gravel Sand	` Silt Cla	٧		
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)	%	
Comments: Biological: Wishins						
	lang c					
			Wooden and the second second	t awaren an bawaren		

# SD-PER126-0314

QUAL	ITATIVE SA	MPLE CHARA	CTERISTIC	CS	F	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Lo	cation	Sample Identi Numbe	1907-7-10030000000000000000000000000000000
		3-13-14	Boeing PL2	SI	D-PER 126	1 1000
Coordin	nates		Water D	epth		Time
North		East	Depth	Unit Rep	Gear	20/20/07/2
199434	12714	+62	22.8	f t )	0.2 Grab	1244
Penetration  Depth Unit Initials S S Weat  2 c m 4 s y C S S		Surficial Wo	ood Estimate: ints	17.300	X 5 =	%
Surficial sediment characteristics:						
Biological: Trace %	Debris:	ace %	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			Brown	modifying Black	Other	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline	modifying Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay	] 	
Subsurface sediment characteristics:			2015 VALUE OF THE PARTY OF THE	Artificial Confession		
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse De	nse	Very Dense	
Silt / Clay - Very Soft	(Soft)	Medium Stif	f Sti	ff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	}.	Olive (Circle maj	or & underline Brown	e modifying Black	Other	
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline	e modifying Clay		***
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	3 Silt	Clay		
Biological: Trall %	Debris:	race %	Oil Sheen:	None	Trace (<5%)	%
Comments: Blodgral Worm			roj. BP2 Peri	metor		
			7		_	
		—— QSC For		nitials: <u>65</u>	12 -	
			///20	14 Time:_	)244 -	

QUAL	ITATIVE SAN	IPLE CHARAC	CTERISTICS		Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Ident Numbe	
		3-13-14	Boeing PL2	SD-PER 126	di materiale di ma
Coordin	nates		Water Depth		Time
North		East	Depth Unit F	Rep Gear	
199436	12714	60	23.4 f t	2 0.2 Grab	1255
Penetration  Depth Unit Initials S S Weat  12 c m 65 m		Surficial Woo		X 5 =	%
Surficial sediment characteristics:					
Biological:%	Debris: De	elons %	Oil Sheen: Non	P Trace (<5%)	)%
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	ŷ		8 underline modif Brown Black	ying) Other	1000
Major Constituent Fine Medium Coars	se	(Circle major Gravel <u>Sand</u>	Silt Silt	<b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	3 Silt	Clay	
Subsurface sediment characteristics:			CONTROL OF STREET		
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	)		<b>r &amp; underline modif</b> Brown Black	ying) Other	
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	r & underline modif	<b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt	Clay	
Biological: Track %	3	race %	×-	ne Trace (<5%	)%
Comments: Bred og prod - WOVW &					
Delarit turing .					

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QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-13-14	Boeing PL2	SD-PER 126
Coordin	nates		Water Depth	Time
North		East	Depth Unit Rep	
199428	12712	7 -	22.9 f t 3	
Penetration  Depth Unit Initials S S Weat  1/2 c m 6) 1 C m		Surficial Wo	od Estimate: nts	X 5 =%
Surficial sediment characteristics:				
Biological:%	Debris:	Trace %	Oil Sheen: None	\ Trace (<5%)%
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifyin Silt Cla	1000
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	se Dense	Very Dense
Silt / Clay - Very Soft	(Soft)	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	5		or & underline modifyin Brown Black	
Major-Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & underline modifyir Silt Cla	J. (7)
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt Cla	у
Biological:%		Tace %	Oil Sheen: None	) Trace (<5%)%
Comments: Debris: twigs leav Biologicall: with	سرج			
-				
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### SD-PER201-0314

QUALITATIV	E SAMPLE CHARA	CTERISTICS	Page of
Coordinate Datum	Dale (mm/dd/yy)	Project Location	Sample Identification Number
Obstall late Baldin	3-14-14	Plant 2	5D PER 201
Coordinates		T	
Coordinates  North	East	Water Depth Depth Unit Re	p Gear Time
	72 55	23.8 111	0.2 grab 1406
	Surficial Wo		X5 =%
Surficial sediment characteristics:			
Biological:% Debris:	%	Oil Sheen: None	Trace (<5%)%
Moisture  Very Wet Wet Moist Da	amp Dry		
Color Light Medium Dark		r & underline modifying Brown Black	Other
Major Constituent Fine Medium Coarse	(Circle majo Gravel Sand	r & underline modifying	
Minor-Constituent with trace Fine Medium Coarse	Gravel Sand	) Silt CI	ay
Subsurface sediment characteristics:			
Maria April Michigan III April			
Density / Consistency			
Sand / Gravel - Very Loose Lo	oose Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft S	off) Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist D	amp Dry		
Color Light Medium Dark	Olive (Circle majo	or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coarse	(Circle majo Gravel Sand	or & underline modifyin	g) lay
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	Silt C	lay
Biological: Trace % Debris:	Trace %	Oil Sheen: None	Trace (<5%)%
Debre: 18aves, grass	in Jens-Rook	recovery régi	Asogod for - Pos
Blockill: WONTHS	AMEC Proj. BP:	) Parimeter	
J		7970	
	SD-PER201-031	L4 Initials:	
	— QSC Form		
	Date: <u>3</u> <u>1</u>	/2014 Time:	AminiField Forms10
AMEC, 3500 188th St	t. SW, conc co ,, 2,		00

QUAL	ITATIVE SA	MPLE CHARAC	TERISTICS	Pag	e of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identifica Number	ition
		3-14-14	Str. 19	JD PER 3	.01
Coordin	ates		Water Depth		Time
North		East	Depth Unit Re		38
148392	12725	550	26.4 f 1 3	1 ozgrab	125
Penetration  Depth Unit Initials VO Weat	ner ii. %	Surficial Wood		_ X 5 =	%
Surficial sediment characteristics:					
Biological:%	Debris: T	ace %	Oil Sheen: None	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			& underline modifyin Brown Black	g) Other	
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	& underline modifyin	g) lay	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt C	lay	
Subsurface sediment characteristics:		•			
Density / Consistency	-16				
Sand / Gravel - Very Loose	Loose	Medium Dens	e Dense	Very Dense	1
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	3	Olive Gray	& underline modifyir Brown Black	Other	
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline modifyin	ng) Clay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt	Clay	
Biological: Trace %	Debris:	RC 1. %	Oil Sheen: Non	e Trace (<5%)	%
form undistance		vious grab	. Sample V	elunce colle	ctcal
	THE CASE OF THE STATE OF THE ST				Amin\Field Forms\QSC

QUA	ALITATIVE SA	MPLE CHARAC	TERISTICS		F	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location		Sample Identif Number	
		3-14-14	5 Fral 9		so per	201
Coord	dinates		Water Depth			Time
198397 North		East	Depth Unit		Gear	
198398	12725	58	26.6 1 t	3	Usbay	1437
13 cm 654 got	ather ii. %	Surficial Woo Contact Point			X 5 =	%
Surficial sediment characteristics:						
Biological: Tace %  Moisture Very Wet Wet Moi	Debris:	Dry	Oil Sheen: No	ne	Trace (<5%)	%
Color Light Medium Dar	k		& underline modify Brown Black	ving)	Other	
Major Constituent Fine Medium Coa	urse	(Circle major Gravel Sand	& underline modify	<b>/ing)</b> Clay	· ************************************	
Minor Constituent with trace Fine Medium Coa	arse	Gravel Sand	Silt	Clay		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	e Loose	Medium Dens	e Dense		Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Mo	ist Damp	Dry				
Color Light Medium Da	rk	Olive Gray	r & underline modif Brown Black		Other	
Major Constituent Fine Medium Co	arse	(Circle major Gravel Sand	r & underline modif	<b>ying)</b> Clay		
Minor Constituent with trace Fine Medium Co	arse	Gravel Sand	Silt	Clay		
Biological: Trace %	Debris:	Trace %	Oil Sheen:	one	Trace (<5%)	%
Comments: Debris: grass + Biological. Works	wigs					
			7 200 2		2 2	
					- 178 - 270 - 270	
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#### SD-PER202-0314

QUAL	ITATIVE SAM	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-14-14	Boeing PL2	SD-PER 202
Coordin	ates		Water Depth	Time
North	ates	East	Depth Unit F	
198 119	12729		27_0 f t	0.2 Grab 1459
Penetration  Depth Unit Initials S  Weath  Surficial sediment characteristics:	_	Surficial Wo	ood Estimate: ints	×5 =%
Biological: Trace %	Debris:	TOC 2 %	Oil Sheen: Non	e > Trace (<5%) %
Moisture Very Wet Wet Moist	Damp	Dry	Oli Olicoli.	( 1 mace ( 10 m)
Color Light Medium Dark		(Circle maj Olive Gray	or & underline modify Brown Black	ying) Olher
Major Constituent Fine Medium Coars	е	(Circle maj Gravel Sand	or & underline modif	ying) Clay
Minor Constituent with trace (Fine) Medium Coars	e	Gravel Sand	Silt (	Clay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	ior & underline modif Brown Black	ying) Other
Major Constituent Fine Medium Coars	se	(Circle ma Gravel Sand	jor & underline modif	<b>rying)</b> Clay
Minor Constituent with trace Fine Medium Coars	se	Gravel San	d Silt	Clay
Biological: Trace %	Debris:	<u></u> %	Oil Sheen: Nor	ne Trace (<5%)%
Comments: Debns: twigs gras	7.			
BINGICAL UNONING			AMEC Proj. BP	ž Feri o
			SD-PER202-031	- refineter
			QSC Form	4 Initials: SSM
			Jake: 3 / / 4	/2014 Time: 1459

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		7-14-14		D-PER 202
Coordin	nates		Water Depth	Time
North		East	Depth Unit Rep	Gear
198128	1272	129	268 ft 2	0.2 Grab 15 1 3
Penetration  Depth Unit Initials S Weath  O c m < 5 m  Surficial sediment characteristics:	her su %	Surficial Wo	ood Estimate: nts	X 5 =%
Biological: %	Debris:	race %	011.01	T ( 500)
Moisture  Very Wet Wet Moist	:	Dry	Oil Sheen: None	Trace (<5%)%
Color Light Medium Dark		Olive Gray	or & underline modifying Brown Black	) Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modifying  Silb Clay	<i>'</i>
Minor Constituent with trace  Eine Medium Coars	e	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:				1000 700 - 22 3250 - 10000
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	or & underline modifying Brown Black	Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifying Silt Clay	***
Minor Constituent with trace (Fine Medium Coars	se	Gravel Sand	Silt Clay	·
Biological: Tree %	-		Oil Sheen: None	Trace (<5%)%
Comments:  Debris: twigs five  Biological: Jisomi:	organie			
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QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Pe	age of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identifi Number	cation
20		3-14-14	Boeing PL2	SD-PER 202	
Coordin	ales		Water Depth		Time
North	3.00	East	Depth Unit F	Rep Gear	rime
198122	127	2927		3 0.2 Grab	1525
Penetration  Depth Unit Initials S  C m 651 Pathy 2		Surficial Wo	ood Estimate: ints	_ X5 = _	<u></u> %
Surficial sediment characteristics:					
Biological:%	Debris:	sace %	Oil Sheen: Non	e Trace (<5%)	%
Moisture Very Wel Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle majo	or & underline modify Brown Black	ving) Other	,
Major Constituent  Medium Coars	e	(Circle major Gravel Sand	or & underline modify	<b>ving)</b> Clay	-50
Minor-Constituent with trace Eine Medium Coars	е	Gravel Sand	Silt (	Clay	
Subsurface sediment characteristics:	Machine Research				
Density / Consistency			¥		
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense	
Silt / Clay - Very Soft	(Soft)	Medium Stif	f Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			or & underline modify Brown Black		
Major Constituent Fine Medium Coars	е	(Circle maj Gravel Sand	or & underline modify	<b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	l Silt (	Clay	
Biological: Tracc %	Debris:	Tace %	Oil Sheen: Non	e Trace (<5%)	%
Comments: Debris: twigs for Brological: worm		wics			
					100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -
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## SD-PER203-0314

QUAL	ITATIVE SA	MPLE CHARAC	TERISTICS	F	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identii Number	
		3-14-14 B	oeing PL2	SD-PER 203	1
Coordin	nates		Water Depth		Time
North		East	Depth Unit F	Rep Gear	
198134	127263	21	9.8 ft	0.2 Grab	1008
Penetration  Depth Unit Initials  C m 65 7 Weat  Surficial sediment characteristics:	her üü %	Surficial Wood Contact Point		_ X 5 = _	%
Biological: 0 %	Debris:	ace % c	vil Sheen: Non	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry 0	in Sheen.	race (<5%)	
Color Light Medium Dark	= <u>p</u>		& underline modify rown Black	ying) Other	
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	& underline modify	<b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt (	Clay	
Subsurface sediment characteristics:	MIC - H - 10				
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dense	e Dense	Very Dense	*
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			& underline modif frown Black	ying) Other	
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline modif	<b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay	
Biological: Tracc %	Debris:	race %	Oil Sheen: Nor	Trace (<5%)	%
Comments: Biological: claws	*				
Debns organics, to	MIGS AMEC	Proj. BP2 Perimet			
	SD-PEF	R203-0314 Initia	er		
	QSC Fo	rm Initia	Is: Es M		
	Date:	3/14/2014 Til	1		
			me: 1008		

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QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Р	age of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identifi Number	
		3-14-19	Boeing PL2	SD-PER 202	3
Coordin	nates		Water Depth		Time
North		East	Depth Unit F	Rep Gear	
198136	12726	22	)0.9 f t	2 0.2 Grab	1025
Penetration  Depth Unit Initials O S Weat		Surficial Wo		X5 =	%
Surficial sediment characteristics:					
Biological:%	Debris:	licce %	Oil Sheen: Non	e Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			r & underline modify Brown Black	ying) Other	
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	r & underline modify	<b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coars	r,₹	Gravel Sand	Silt	Clay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			<b>r &amp; underline modif</b> Brown Black	ying) Other	2
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modif	<b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay	
Biological:%	Debris:	<u>\$</u> %	Oil Sheen: Nor	ne (Trace (<5%)	%
Repositions decomposising	b lid no	+ close			
					,
				to the control of the top of the top.	
		20-5-20 - 20-5-30 - 31 - 1			Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-14-14	Boeing PL2	SD-PER 203
Coordin	ales			Time
North	ales	East	Water Depth  Depth Unit Rep	E CONTROLLES
198139	12726		Depth Unit Rep	0.2 Grab 10 3 6
Penetration 🖁 💆	S	Surficial W	ood Estimate:	100 100 100 100 100 100 100 100 100 100
Penetration  Depth Unit Initials ON Weath	ner Kines	Contact Po	ints	
12 cm Gsv Part				X 5 =%
Surficial sediment characteristics:	e .			
Biological: Trace %	Debris:	race %	Oil Sheen: None	7 Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			or & underline modifying Brown Black	0) Other
Major Constituent Fine Medium Coars	e	(Circle maje Gravel Sand	or & underline modifying	
Minor Constituent with trace  Eine Medium Coars	e	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	or & underline modifying Brown Black	Other
Major Constituent Fine Medium Coars	е	(Circle maj Gravel Sand	or & underline modifying	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Clay	
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Comments: Debns: fine organicologous:			readles	
J		/	700 200	70 SU 20
		Alexandra (		
		724		

# SD-PER204-0314

QUALITATIVE SAI	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum	Date (mm/dd/yy)	Project Location	Sample Identification Number
	3-17-14 1		SD-PER 204
Coordinates	10000NE 14 30	Water Depth	Time
North	East	Depth Unit Rep	
197916 127301	\	~24 ft 1	0.2 Grab 10/5
Penetration  Depth Unit Initials SS > Weather E SS (%)	Surficial Woo		X 5 =%
Surficial sediment characteristics:			
Biological:% Debris:	%	Oil Sheen: None	) Trace (<5%)%
Moisture Very Wet Wet Moist Damp	Dry		
Color Light Medium Dark		& underline modifyir Brown Black	Other
Major Constituent Fine Medium Coarse	(Circle major Gravel Sand	& underline modifyir Silt Cla	
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	Silt Cla	му
Subsurface sediment characteristics:  Density / Consistency			
Sand / Gravel - Very Loose Loose	Medium Dens	se Dense	Very Dense
Silt / Clay - Very Soft Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist Damp	Dry		
Color Light Medium Dark		r <b>&amp; underline modifyir</b> Brown Black	
Major Constituent Fine Medium Coarse	(Circle major Gravel Sand	silt Cla	
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	) Silt Cla	ay
Biological: true % Debris: tru	<u>"( </u> %	Oil Sheen: None	Trace (<5%)%
Comments:	ter digth a	uest ionable	
wares, ANS >	· · · · · · · · · · · · · · · · · · ·	300 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 -	
- U	ANAEC	Proj. BP2 Perimete	. 6> 1
	CD-PF	Proj. BPZ PCTIO R204-0314 Initia	als:
		oim	10.15
		oim : 3 17 12014	Time:

QUAL	ITATIVE SA	MPLE CHAR	ACTERISTICS	V	Page of
Coordinate Datum		e Identification Number			
		3-17-14	Boeing PL2	SD-PER	204
Coordii	nates		Water Depth	T	Time
North	lates	East		t Rep Ge	
197919	1273		2.00	t 7 0.2 Gr	1 2 10
Penetration  Depth Unit Initials O > Weat	her Lines	Surficial W	lood Estimate:		
		Contact Po	oints	V =	= %
15 cm 67 m 5 m	\ <u>\</u>			X 5	=%
Surficial sediment characteristics:				_	
Biological:%	Debris: Tra	«	Oil Sheen:	None Trace	(<5%)%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	;	(Circle ma Olive Gray	jor & underline mo Brown Blac	The second contract of	Non-thead and the same
Major Constituent Fine Medium Coars	se	(Circle ma Gravel San	jor & underline mo	difying) Clay	A CONTRACT CONTRACT
Minor-Constituent with trace Fine Medium Coars	se	Gravel San	d Silt	Clay	
Subsurface sediment characteristics:					- W
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium D	ense Dense	Very I	Dense
Silt / Clay - Very Soft	Soft	Medium Si	tiff Stiff	Very \$	Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			Brown Bla		<u> </u>
Major Constituent Fine Medium Coar	se	(Circle ma Gravel Sar	ajor & underline mo	odifying) Clay	97. 7 72880 A 133 B 128
Minor Constituent with trace Fine Medium Coar	se	Gravel Sar	nd Silt	Clay	
Biological: trace %	Debris:	race %	Oil Sheen:	None Trace	e (<5%)%
Comments:	ding lo	dty.			
Shells, laves, v	Jorn S	* xxxx xxx			
*					

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QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum	1	Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-17-14		SD-PER 204
Coordin	ates		Water Depth	Time
North		East	Depth Unit Rep	5109500960
197920	127300	06	21 f 1 3	
Penetration  Depth Unit Initials O Weath	ner Hines	Surficial Wo	ood Estimate:	
	ner il 8	Contact Poi	ints	V.F 0/
	)		1	X 5 =%
Surficial sediment characteristics:				
Biological:%	Debris: tve	«ce%	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo Olive Gray	or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coarse	е	(Circle majo Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fine Medium Coarse	е .	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:	CONTRACTOR OF THE STATE OF THE			
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	е	(Circle maje Gravel Sand	or & underline modifyin	
Minor-Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	у
Biological: TYACE %	Debris: +v	ace %	Oil Sheen: None	Trace (<5%)%
Comments:	- <del>-</del>			
worn's leade ?	191951			
	' /			

## SD-PER205-0314

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of	
Coordinate Dalum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
4		3-17-14	Boeing PL2	SD-PER 205	
Coordin	ales		Water Depth	T:	
North	4100	East	Depth Unit Re	Time Gear	
197714	12733		220 ft)	0.2 Grab 11 0 4	
Paratration   U				10.2 0.00	
Penetration  Depth Unit Initials O Weath	ner (%)		ood Estimate:		
Depth Unit Initials $\vec{o}$ > Weath		Contact Po	ints	X 5 =	%
Surficial sediment characteristics:	7			-	- '-
Section 2011 and a section of the section and a section an	Y.			$\supset$	
Biological:%	Debris:	M Co %	Oil Sheen: None	/ Trace (<5%)	_%
Moisture Very Wet Wet Moist	Damp	Dry			
Color		(Circle maj	or & underline modifyi	ng)	10
Light Medium Dark		Olive Gray	Brown Black	Other	
Major Constituent		(Circle maj	or & underline modifyi	ng)	
Eine Medium Coars	е	Gravel Sand	"Silt" Cla	ay	
Minor-Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Cla	ay	
Subsurface sediment characteristics:					
Density / Consistency			.:		
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Sti	Stiff	Very Stiff Hard	i
Moisture				• EE 5000	
Very Wet Wet Moist	Damp	Dry			
Color		(Circle mai	or & underline modifyi	na)	
Light Medium Dark		Olive Gray	Brown Black	Other	12.00
Major Constituent Fine Medium Coars	e	(Circle maj	or & underline modifyi	ng) ay	
Minor Constituent with trace					
Eine Medium Coars	е	Gravel Sand	Silt Cl	ay	
Biological: Truce %	Debris:	%	Oil Sheen: None	Trace (<5%)	_%
Grand horang	- troops	- hord to	not votes	179.6	
V					_
			AMEC Proj. BP2 Pe	erimeter	
Warning Williams and Control			SD-PER205-0314	Initials: 65%	8
			· QSC Form		: :
				2014 Time: 11 0 4	**
			Date	zora time:	000

		QUAL	ITATIVE S	AMPLE	CHARAC	TERISTI	cs			Page of
	Coordinate	Datum		(mm	ate /dd/yy)	Project Lo	cation		Sample Identi Numbe	
				3-1	7-141	Boeing PL2		SE	-PER 20	5
		Coordin	alac						I	
	North	Coordin	ales	East		Water D Depth	0	Rep	Gear	Time
1977	19		12737			120	ft	2	0.2 Grab	1155
Penetration	g .		100	91	urficial Woo	od Estimate:				<u> </u>
Depth Unit I	Sulfide VOA	Weath	ner (%)		ontact Poin		Q.			
	55 n	ENNN			J.11400 1 0111				X 5 =	%
Surficial sedimen	t characteris	tics:	)							
Biological:	0	%	Debris:		%	Oil Sheen:	No	ne (	Trace (<5%)	) %
Moisture Very Wet	Wet	Moist	Damp	Dry						
Color Light	Medium	Dark		Olive		& underline Brown	mod Black		Other	
Major Constitu	uent Medium	Coars	e	(C Gravel	ircle major Sand	& underline	mod	i <b>fying)</b> Clay	-	
Minor Constitu	u <b>ent with trac</b> Medium	ce Coars	е	Gravel	Sand	Silt		Clay		
Subsurface sedin	nent characte	eristics:			<del>1, , , , , , , , , , , , , , , , , , , </del>					
Density / Cons	sistency									
Sand / G	Gravel - Ve	ery Loose	Loose	М	edium Dens	se De	nse .		Very Dense	
Silt	/Clay-	ery Soft	Soft	M	edium Stiff	Sti	ff		Very Stiff	Hard
Moisture Very Wet	Wet	> Moist	Damp	Dry						
Color Light	Medium	Dark		Olive (	Gray	<b>&amp; underline</b> Brown	e mod Black	ifying)	Other	_
Major Constitu	u <b>ent</b> Medium	Coars	е	(C Gravel	ircle major Sand	& underline	e mod	i <b>fying)</b> Clay		
Minor Constitu	uent with trac Medium	ce Coars	e	Gravel	Sand	Silt		Clay		
Biological:	FRACE	%	Debris: $\pm \uparrow$	aQ	%	Oil Sheen:	No	one	Trace (<5%)	%
Comments:	trong	Crity	ent	***************************************	********************	***************************************		*		***************************************
Worns,	- twi	95								
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		in and the second								
	N					-11400000		-77.53		
		38 3800								

QUAL	ITATIVE SA	MPLE CHARAG	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-17-14	Boeing PL2	SD-PER 305
Coordin	ales		Water Depth	Time
North		East	Depth Unit Rep	100000000000000000000000000000000000000
197718	12733	81	21 113	0.2 Grab 1\51
Penetration  Depth Unit Initials S S Weath		Surficial Wo Contact Poir	od Estimate: nts	X 5 =%
Surficial sediment characteristics:	ĩ			
Biological:%	Debris:	<u>"</u> %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coarse	3	(Circle majo Gravel Sand	Silt Clay	
Minor Constituent with trace Fine Medium Coarse	€	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:				
Density / Consistency	*			
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo Olive Gray	<b>r &amp; underline modifyin</b> Brown Black	g) Other
Major Constituent (Fine) Medium Coarse	е	(Circle majo Gravel Sand	r & underline modifyin Silt Cla	
Minor Constituent with trace	е	Gravel Sand	Silt Cla	у
Biological:	Debris: <u>trul</u>	%	Oil Sheen: None	Trace (<5%)%
Comments:	enetration	résect		
strang convent	7			
	(man)			
- Fully gras/				
		and the same		
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# SD-PER206-0314

QUAL	ITATIVE SA	MPLE CHARA	ACT	ERISTICS		Page of
Coordinate Datum		Date (mm/dd/yy)		Project Location	Sample Ident Numbe	
		3-14-14	Вое	eing PL2	SD-PER 206	
Coordir	ates			Water Depth		Time
North		East		Depth Unit Rep	Gear	
1977 10	12731	37		10.4 ft \	0.2 Grab	1100
Penetration  Depth Unit Initials S S Weat		Surficial W Contact Po		Estimate:	X 5 =	%
Surficial sediment characteristics:						
Biological:%	Debris:	race %	Oil	Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray		underline modifyin wrp> Black	g) Other	
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand		underline modifyin Silt Cla		
Minor Constituent with trace (Eine Medium Coars	e	Gravel Sand	d	Silt Cla	у	
Subsurface sediment characteristics:			77.10			
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	ense	Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Sti	iff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray		underline modifyir own Black	og) Other	Ta 1
Major Constituent Fine Medium Coars	ee	(Circle ma Gravel San	500	underline modifyir Silt Cla	570.00	
Minor Constituent with trace Fine Medium Coars	se	Gravel San	d	Silt Cla	ау	
Biological:%	Debris:	ale %	Oil	Sheen: None	Trace (<5%	)%
Comments: Debns: Shells, things	AMEC	Proj. BP2 Perim				
	AND THE PROPERTY OF THE PARTY O	orm 3	4 Tir	me:	t .	
			9			Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS		Р	age of
Coordinate Datum		Date (mm/dd/yy)	Project Location	5	Sample Identif Number	
		3-14-14	Boeing PL2	SD-	PER 206	
Coordina	ates	3000 A 1000 A	Water Depth			Time
North		East	Depth Unit	Rep	Gear	
197708	1273	135	9,4 ft	5	0.2 Grab	1114
Penetration  Depth Unit Initials 0 Weath  3 c m 65 m 65 m  Surficial sediment characteristics:	Lines (%)	Surficial Wo	ood Estimate: nts	_	X 5 = _	%
	Debris:	race %	Oil Sheen: No	ne	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			Brown Black		Other	- 7.31 - 37.71
Major Constituent Fine Medium Coarse	е	(Circle majo Gravel Sand	or & underline modi	<b>fying)</b> Clay		
Minor Constituent with trace Fine Medium Coarse	9	Gravel Sand	Silt	Clay	1 - 100 - 100	
Subsurface sediment characteristics:			2-42-27-02			
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Der	Dense		Very Dense	
Silt / Clay - Very Soft	Soft 3	Medium Stiff	Stiff		Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	7	Olive Gray	Brown Black	1111201201200	Other	
Major Constituent Fine Medium Coarse	Э	(Circle major Gravel Sand	or & underline modi Silt	<b>fying)</b> Clay		
Minor Constituent with trace Fine Medium Coarse	<i>,</i> e	Gravel Sand	Silt	Clay		
Biological:%	Debris:	Tace %	Oil Sheen: No	ne	Trace (<5%)	%
Comments:  attempt 2 go  attempt 3 go  Ecological: warms  Debot: bricks, twis	ish benef	jans - reje	d -nt	1000.	ed in 6	23
						Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum	- Maria III - Maria III - Maria III - Maria III - Maria II - Maria	Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-14-14	Boeing PL2	SD-PER 206
Coordin	nates		Water Depth	Time
North	lates	East	Depth Unit Re	
147709	127313		9.5 ft -	
Penetration  Depth Unit Initials S S Weat  \[ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Surficial W Contact Po	ood Estimate: ints	X 5 =%
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle maj Olive Gray	or & underline modifyir Browਸ Black	Other
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	му
Subsurface sediment characteristics:		***		
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	K.		or & underline modifying Brown Black	
Major Constituent Fine Medium Coars	ie	(Circle maj Gravel Sand	or & underline modifying	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	l Silt Cla	ay
Biological:%	Debris:	<u>O</u> %	Oil Sheen: None	Trace (<5%)%
Balogical Work				
	4 720 730			

### SD-PER207-0314

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
110000000000000000000000000000000000000		3-17-14	Boeing PL2	SD-PER 207
Coordin	ales		Water Depth	Time
North		East	Depth Unit Re	
197502	1273	48)	16.6 ft	0.2 Grab 1245
	ner üü %)	Surficial Wo	ood Estimate: ints	_ ×5 =%
Surficial sediment characteristics:	1			
Biological:%	Debris: Trac	<u>e</u> %	Oil Sheen: None	Trace (<5%)%
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			Brown Black	Other
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	or & underline modifyi	ng) ay
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt CI	lay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stir	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	or & underline modifyi Brown Black	ing) Other
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underline modify	ing) lay
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt C	lay
Biological: +ru(e %	Debris: tr	acc_ %	Oil Sheen: None	Trace (<5%)%
Grass worm h	ary S	AM	EC Proj. BP2 Perim	eter -
			PER207-0314 Ini	
				(lais. <u>621)</u>
			Form	1240
		Dat	e: <u>3</u> / 17 /2014	4 Time: 15 75
				Amin\Field Forms\QSC

QUA	LITATIVE SA	MPLE CHARA	CTERISTI	CS	F	Page of
Coordinate Dalum		Date (mm/dd/yy)	Project Lo	ocation	Sample Identi Numbe	
		3-17-14	Boeing PL2		SD-PER 297	
Coord	linates		Water D	Depth		Time
North		East	Depth	Unit Re	p Gear	11110
197506	12734	82	170	f t 2	0.2 Grab	1259
Penetration  Depth Unit Initials S S West  Surficial sediment characteristics:	ather ii. %	Surficial Wo	ood Estimate nts	:	X 5 =	%
Biological:%	Debris:		Oil Sheen:	None	(Trace (<5%)	%
Moisture Very Wet Wet Mois	t Damp	Dry				
Color Light Medium Dark	0.000		Brown	e modifyii Black	ng) Other	
Major Constituent Fine Medium Coal	'se	(Circle majo Gravel Sand	r & underline	e modifyii Cla		
Minor Constituent with trace Fine Medium Coal	se	Gravel Sand	Silt	Cla	ау	
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Den	se De	ense	Very Dense	
Silt / Clay - Very Soft  Moisture	Soft	Medium Stiff	Sti	ff	Very Stiff	Hard
Very Wet Wet Mois	t Damp	Dry				
Color Light Medium Dark	55005	Olive Gray	or & underline Brown	e modifyir Black	ng) Other	
Major Constituent Fine Medium Coal	se	(Circle majo Gravel Sand	or & underline	e modifyii Cla		
Minor Constituent with trace Fine Medium Coal	'se	Gravel Sand	Silt	Cla	ay	
Biological:	Debris: 1%	MCE %	Oil Sheen:	None	Trace (<5%)	%
Worms, Juig	S					
			THE PARTY OF THE P		a monocular fields and the large	

QUAL	ITATIVE SA	MPLE CHARA	CTERISTI	cs	P	age of
Coordinate Dalum		Date (mm/dd/yy)	Project Lo	cation	Sample Identifi Number	
		3-17-14	Boeing PL2		D-PER 307	
Coordin	nates		Water D	epth		Time
North		East	Depth	Unit Rep	Gear	
195506	12734	81	17.8	ft3	0.2 Grab	1313
Penetration  Depth Unit Initials S S Weath  C m 65 m		Surficial W Contact Po	ood Estimate ints —	:	X 5 = _	<u></u> %
Surficial sediment characteristics:  Biological:%	Debris:	<u> </u>	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle maj Olive Gray	or & underline Brown	e modifying Black	Other	
Major-Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underline			
Minor Constituent with trace Eine Medium Coars	е	Gravel Sand	Silt	Clay		
Subsurface sediment characteristics:						
Density / Consistency Sand / Gravel - Very Loose	lance	Madis - Da		5 <b>3</b> 0		5
Silt / Clay - Very Soft	Loose Soft	Medium De		ff	Very Dense Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	)		or & underlin		Other	
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underlin	e modifying Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay		
Biological:	Debris: Ma	ce %	Oil Sheen:	None	) Trace (<5%)	%
Comments: Warms, Grass	Pieces 0	+ 6000 t				
*						
AMEC 3500.1	99th Ct C/M/ C	Suite 601 Lyppwo		07 (405) 0	04 4000	Amin\Field Forms\QSC

# SD-PER208-0314

QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Page of		
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number		
	3-17-14	Boeing PL2	SD-PER 258			
Coordin	nates		Water Depth	Time		
North		East	Depth Unit R	ep Gear		
197341	19734/ 12737		51.0 ft	0.2 Grab 1 + 2 2		
Penetration  Depth Unit Initials O Weat    C m 450   Cod 0	her Kines	Surficial Woo		X 5 =%		
Surficial sediment characteristics:	•					
Biological:%	Debris: Tra	16e %	Oil Sheen: None	Trace (<5%) %		
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	& underline modify Brown Black	ing) Other		
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline modify	ing) lay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	lay		
Subsurface sediment characteristics:						
Density / Consistency				* a.		
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense		
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard		
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle-majo Olive Gray	r & underline modify Brown Black	ing) Other		
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modify	ring) Ilay		
Minor Constituent with trace Fine Medium Coars	,	Gravel <sand< td=""><td>Silt C</td><td>clay</td></sand<>	Silt C	clay		
Biological: Truce %	Debris: Tra	<u>@</u> %	Oil Sheen: None	Trace (<5%)%		
Comments:						
			AMEC Proj. BP2 P	erimeter		
SD-PER208-0314 Initials:						
			QSC Form			
			Date: 3 17 1	2014 Time: <u>リ</u> ナママ		
9						

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-17-14		SD-PER Zo 8
Coordin	nates		Water Depth	Time
North		East	Depth Unit Rep	
197345	12737	94	21.7 ft2	0.2 Grab 1431
Penetration  Depth Unit Initials S S Weat		Surficial W Contact Po	ood Estimate: ints	X 5 =%
Surficial sediment characteristics:	10			
Biological:%	Debris: TRA	Ctm %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle maj Olive Gray	or & underline modifying Brown Black	g) Other
Major Constituent Fine Medium Coars	е	(Circle maj Gravel Sand	or & underline modifying	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stir	f Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry	and the	
Color Light Medium Dark		Olive (Circle maj	or & underline modifying Brown Black	g) Other
Major Constituent Fine Medium Coars	е	(Circle maj Gravel Sand	or & underline modifying	
Minor Constituent with trace  Fine Medium Coars	e	Gravel Sand	Silt Clay	
Biological: TOP MC C - %	Debris: FR	not %	Oil Sheen: None	Trace (<5%)%
Comments:	mj			
			100	
7				
AMEC 2500 1	OOLE CL CIM C	11- 004 1	od MA 00027 (425) 0	Amin\Field Forms\QSC

QUALITATIVE SAMPLE CHARACTERISTICS Page of							
Coordinate Datum		Date (mm/dd/yy)	Project Locati	on	Sample Identification Number		
		3-17-14			SD-PER 208		
Coordinates				74.			
North		East	Water Deptl Depth Un	it Rep	Gear	Time	
197350	12737		22,2 f	t 3	0.2 Grab	1448	
Penetration  Depth Unit Initials S S Weather E S Contact Points  Surficial Wood Estimate:  Contact Points  X5 = 9							
Surficial sediment characteristics:							
Biological:%	Debris:	act %	Oil Sheen:	None (	Trace (<5%)	%	
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark			or & underline mo Brown Bla		) Other	p	
Major Constituent  Fine Medium Coars	е	(Circle maj Gravel Sand	or & underline mo	<b>difying</b> Clay	)		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt	Clay	-		
Subsurface sediment characteristics:					- 100 · ·		
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	35.1 E	Very Dense	F	
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff		Very Stiff	Hard	
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark		(Circle maj	or & underline mo Brown Bla	odifying ck	Other		
Major Constituent Fine Medium Coars	ee	(Circle maj Gravel Sand	or & underline mo	odifying Clay	)		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sario	l Silt	Clay			
Biological: # 18465 %	Debris: #K	ACE %	Oil Sheen: (	None	Trace (<5%)	%	
Comments:    Enul > pull > (Picco)							
biscs of mo	n d						
				- 1			
3							

# SD-PER209-0314

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS		Pageof
Coordinate Datum		Date (mm/dd/yy)	Project Location		le Identification Number
	7 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	3-14-14	Boeing PL2	SD-PER	209
Coordin	nates		Water Depth		Time
North		East		Rep Ge	ear
197308	12735		10.5 ft	1	
5 (		safe was as as above			
Penetration  Depth Unit Initials	her, (%)		od Estimate:		
Depth Unit Initials \$ > Weat		Contact Poi	nts	X 5	= %
Surficial sediment characteristics:				^3	
Biological: Trace %	Debris:	caes %	Oil Sheen: N	one Trace	e (<5%) %
7901 90 90	X		(		.(1070)70
Moisture  Very Wet Wet Moist	Damp	Dry			
Color		(Circle majo	r & underline mod	lifying)	
Light Medium Dark			Brown Black		
Major-Constituent		(Circle majo	r & underline mod	lifying)	
Eine Medium Coars	e	Gravel Sand	Silt	Clay _	
Minor Constituent with trace					
Fine Medium Coars	е	Gravel Sand	Silt	Clay	
Subsurface sediment characteristics:					
Density / Consistency					
			_	51	
Sand / Gravel - Very Loose	Loose	Medium Den	se) Dense	Very	Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very	Stiff Hard
Moisture					
Very Wet Wet Moist	Damp	Dry			
Color		(Circle maio	r & underline mod	lifying)	
Light Medium Dark	}	Olive Gray	Brown Black	Other	Real
Major Constituent		(Circle maio	r & underline mod	lifying)	gaille communicati
Fine Medium Coars	e	Gravel Sand	Silt	Clay	
Minor Constituent with trace					
Eine Medium Coars	e	Gravel Sand	Silt	Clay	
Biological: 0 %	Debris:	D %	Oil Sheen: N	one Trace	e (<5%) %
				) 11400	.(1070)76
Comments:	lentano o	Rosy Frankly	tion - rece	ct - no	6PS 1.
11 10	in - here	Habelest im	GPS NJ R	5	100
Biological: Worms	, ,	۸۸۸۲۵	Droi DDO D	= =	
1)	Park S		Proj. BP2 Perin		<u></u>
i and the second		SD-PEF	209-0314 In	itials: 65v	1
		QSC Fc			
			3 /14 /201	4 = 12 -	7
		pare: _	/201	4 Time:	ield Forms\QSC

QUA	ITATIVE SA	MPLE CHARAC	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-14-14	Boeing PL2	SD-PER 209
Coordi	natos		Water Depth	T:
North	lates	East	Water Depth Depth Unit Rep	Time   Time
197306	12735	86	9.8 f t 3	
Penetration  Depth Unit Initials S  C m C T  Surficial sediment characteristics:	her (%)	Surficial Woo		X 5 =%
Biological: Trace %	Debris:	Trace %	Oil Sheen: None	) Trace (<5%) %
Moisture  Very Wet Wet Moist	-	Dry		
Color Light Medium Dark		(Circle major Olive Gray	& underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coar	se	(Circle major Gravel Sand	& underline modifyin Silt Cla	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Dens	Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Mois	Damp	Dry		
Color Light Medium Dark	3	(Circle major Olive Gray	r & underline modifyin Brown Black	g) Other Rose
Major Constituent Fine Medium Coar	se	(Circle major Gravel Sand	r & underline modifyin Silt Cla	7.7
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt Cla	у
Biological:%	Debris:	<u> </u>	Oil Sheen: None	Trace (<5%)%
Comments: Biological was	MIZ			
7	***			Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-14-14	5/2/3	50 PER 279
Coordin	ates		Water Depth	Time
North	aics	East		Rep Gear
197311	12735			3 2.2 aprily 1257
Penetration  Depth Unit Initials S C m 65 m		Surficial Wo	ood Estimate: nts	X5 =%
Surficial sediment characteristics:	-		سنزر .	50Aau
Biological: Trace %	Debris:	ace %	Oil Sheen: Non	Trace (<5%)%
Moisture Very Wet Wel Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo Olive Gray	Brown Black	ng) Other
Major Constituent Fine Medium Coarse	е	(Circle majo Gravel Sand	or & underline modifying	ng) Clay
Minor Constituent with trace Fine Medium Coarse	е	Gravel Sand	Silt (	Clay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture Very Wet Wel Moist	Damp	Dry		
Color Light Medium Dark		(Circle major) Olive Gray	or & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coars	e	Gravel Sand	or & underline modifyi	ng) Clay
Minor Constituent with trace (Fine) Medium Coars	e	Gravel Sand	s (Silt-)	Clay
Biological:%	Debris:	>%	Oil Sheen: Nor	Trace (<5%)%
Comments:  mpt I - leakage re- attempt 2 - lovered attempt 3 - lovered attempt 4 - good	pect no	t loaged	in GPS	
				AminiField Forms\QS

### SD-PER210-0314

	LITATIVE SA	MPLE CHARAC	TERISTICS	Page	of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
		7 7		SD-PER 210	
Coordi	nates		Water Depth	Time	
North		East	Depth Unit Re		1
197085	12739	38	16.3 111	0.2 Grab 14 3	9
Penetration  Depth Unit Initials S Weat	ther ii. %	Surficial Woo		X 5 =	%
Surficial sediment characteristics:					
Biological:%	Debris:	5 %	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			& underline modifyir Brown Black	Other	
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline modifyin	1. <del></del>	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Sift) Cla	эу	
Subsurface sediment characteristics:					
Density / Consistency					
l .					
Sand / Gravel - Very Loose	Loose	Medium Dens	e Dense	Very Dense	
Sand / Gravel - Very Loose Silt / Clay - Very Soft	Loose Soft	Medium Dens	se Dense Stiff	Very Dense  Very Stiff Ha	rd
	Soft			5.50 20.0000	rd
Silt / Clay - Very Soft	Soft Damp	Medium Stiff	Stiff  & underline medifyir	Very Stiff Ha	rd
Silt / Clay - Very Soft  Moisture  Very Wet Wet Moist  Color	Soft Damp	Medium Stiff  Dry  (Circle major Olive Gray	Stiff  & underline medifyir	Very Stiff Ha	rd
Silt / Clay - Very Soft  Moisture  Very Wet Wet Moist  Color  Light Medium Dark  Major Constituent	Soft Damp	Medium Stiff  Dry  (Circle major Olive Gray  (Circle major	Stiff  & underline medifyir Brown  Black  & underline modifyir	Very Stiff Ha	rd
Silt / Clay - Very Soft  Moisture Very Wet Wet Moist  Color Light Medium Dark  Major Constituent Fine Medium Coar  Minor Constituent with trace	Soft Damp	Medium Stiff  Dry  (Circle major Olive Gray  (Circle major Gravel Sand	Stiff  & underline modifyir Brown Black  & underline modifyir Silt Cla	Very Stiff Ha	rd
Silt / Clay - Very Soft  Moisture Very Wet Wet Moist  Color Light Medium Dark  Major Constituent Fine Medium Coar  Minor Constituent with trace Fine Medium Coar	Soft Damp se	Medium Stiff  Dry  (Circle major Olive Gray  (Circle major Gravel Sand  Gravel Sand	Stiff  & underline medifyir Brown Black  & underline modifyir Silt Cla	Very Stiff Ha	%
Silt / Clay - Very Soft  Moisture Very Wet Wet Moist  Color Light Medium Dark  Major Constituent Fine Medium Coar  Minor Constituent with trace Fine Medium Coar  Biological:	Soft  Damp  se  Debris:	Medium Stiff  Dry  (Circle major Olive Gray  (Circle major Gravel Sand  Gravel Sand	Stiff  & underline medifyir Brown Black  & underline modifyir Silt Cla	Very Stiff Ha	% %
Silt / Clay - Very Soft  Moisture Very Wet Wet Moist  Color Light Medium Dark  Major Constituent Fine Medium Coar  Minor Constituent with trace Fine Medium Coar  Biological:	Soft  Damp  se  Se  Debris:	Medium Stiff  Dry  (Circle major Olive Gray  (Circle major Gravel Sand  Gravel Sand  5 %	Stiff  & underline modifyir Brown Black  & underline modifyir Silt Cla Silt Cla Oil Sheen: None	Very Stiff Ha	% %
Silt / Clay - Very Soft  Moisture Very Wet Wet Moist  Color Light Medium Dark  Major Constituent Fine Medium Coar  Minor Constituent with trace Fine Medium Coar  Biological:	Soft  Damp  se  Se  Debris:	Medium Stiff  Dry  (Circle major of the distribution of the distri	Stiff  & underline modifyir Brown Black  & underline modifyir Silt Cla Silt Cla Oil Sheen: None	Very Stiff Ha	%

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		2-51-14		D-PER 210
Coordin	nates		Water Depth	Time
North		East	Depth Unit Rep	Gear
147085	12730	147	15.7 ft2	0.2 Grab 1436
Penetration  Depth Unit Initials SO S Weat  C m C st V C or C  Surficial sediment characteristics:		Surficial Wo Contact Poi	od Estimate: nts	X 5 =%
Biological:%	Debris:	0 %	Oil Sheen: None	Trace (<5%)
Moisture Very Wet Wet Moist		Dry		//
Color Light Medjum Dark		(Circle majo Olive Gray	r & underline modifying Brown Black	) Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modifying Silt Clay	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Sift Clay	-
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo Olive Gray	r & underline modifying Brown Black	Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modifying Silt Clay	)
Minor Constituent with trace Fine Medium Coars	e	Graver Sand	Silt Clay	
Biological:%	Debris:	2.5_%	Oil Sheen: None	Trace (<5%)%
Comments:			-	
July Depris. Good	14ticks	1/5016	, Plant st	em>
			2000	
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A THE ECONOMIS OF REAL		QUAL	ITATIVE S	AMPLE C	HARAC	TERISTIC	cs	F	Pageof
	Coordina	ate Datum		Da (mm/d		Project Loc	cation	Sample Identi Numbe	
				3-21.		peing PL2		SD-PER 21	
		Coordin	ates			Water De	enth		Time
	North	000,0	3,00	East		Depth	Unit Rep	Gear	rime
197	085		1273	942		16.3	f t 3	0.2 Grab	1452
15 cm	Initials S	fort de	Her (%)		ficial Wood			X 5 =	%
Surficial sedime									_
Biological: _	0	%	Debris:	()	% 0	il Sheen:	None	Trace (<5%)	%
Moisture Very Wet	Wet	Moist	Damp	Dry					
Color Light	Medium	Dark				underline rown	<b>modifyin</b> Black	g) Other	
Major Constit	tuent Medium	Coars	е	(Cir Gravel	rcle major & Sand	& underline Silt	modifyin Cla		
Minor Consti	Medium	Coars	e	Gravel	Sand	Silt	Cla	у	
Subsurface sedi	ment chara	acteristics:				***************************************	***********		
Density / Con	sistency								
Sand /	Gravel -	Very Loose	Loose	Me	dium Dense	Der	nse	Very Dense	
Sil	t / Clay -	Very Soft	Soft	Me	dium Stiff	Stif	f	Very Stiff	Hard
Moisture Very Wet	Wer	Moist	Damp	Dry					\$100 m
Color Light	Medium					& underline rown			- 2004 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 -
Major Constit	tuent Medium	Coars	е	(Ci Gravel	rcle major a	<b>&amp; underline</b> Silt	modifyin Cla		
Minor Consti Fine	tuent with Medium	trace Coars	е	Gravel	Sand	Sin	Cla	у	
Biological: _	0	%	Debris:	5	% 0	il Sheen:	None	Trace (<5%)	%
Comments:	dehris	1 Plan	at stem						
July d	egris	· Ma	wt 51	oun G					
	7			428(77)					20 - VIII 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1
					Europe S				
	-								

### SD-PER230-0314

QUA	ITATIVE S	AMPLE C	HARACT	ERISTICS		Page of
Coordinate Datum		Da (mm/c		Project Location	Sample Iden Numb	
		7-51.	14 Bo	eing PL2	SD-PER 23	0
Coordi	nales			Water Depth		Time
North	F-1-7	East		Depth Unit F	Rep Gear	, inc
197083	1273	948		16.3 f t	1 0.2 Grab	1507
Penetration  Depth Unit Initials 0 Weal  C m Syx Vox C  Surficial sediment characteristics:	len)-		rficial Wood ntact Points		X 5 =	%
Biological:%	Debris:	5	% Oi	I Sheen: Non	ne Trace (<5%	)%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark				underline modifown Black	ying) Other	
Major Constituent Fine Medium Coars	se	(Ci Gravel	rcle major & Sand	undérline modif	ying) Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel	Sand	Silt.	Clay	» I
Subsurface sediment characteristics:  Density / Consistency				•	al a	
Sand / Gravel - Very Loose	Loose	Me	dium Dense	Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Me	dium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Oark		(Ci Olive	rcle major & Gray Br	underline modif own Black	ying) Other	7
Major Constituent (Fine Medium Coars	se	(Ci Gravel	rcle major & Sand	underline modif	<b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel	Sand	Silt	Clay	
Biological:%	Debris:	10	% Oi	I Sheen: Nor	ne Trace (<5%	)%
Comments: Debils,	Strau	>		,		
sul Denvis wood	5 au	AN	ЛЕС Proj. I	BP2 Perimeter	939 1	
Stem 5	, wast	SD	-PER230-0	0314 Initia	als: 65V	
		09	SC Form			
				~ ∫2014 Tin	ne: 1507	
	2002 41 Section 110	U			1	

TO SAN BETTER STATE OF THE SAN STATE OF		QUALITA	ATIVE SA	MPLE C	HARACT	ERISTI	cs	Pa	age of
	Coordinate Da	itum		Da (mm/d		Project Lo	cation	Sample Identifi Number	
			2 5:			eing PL2		D-PER 23c	
		Coordinates				Water D	enth	T	Time
	North			East		Depth	Unit Rep	Gear	TITLE
1970	87		127	3942		14.7	flZ	0.2 Grab	1522
Penetration  Depth Unit  C m  Surficial sediment	Initials By WOO	Weather,	Fines (%)		ficial Wood			X 5 = _	%
Biological: _	X5 0	_% Del	oris:	55	% Oi	il Sheen:	None	Trace (<5%)	_ U _ %
Moisture VeryWet	Wet	Moist	Damp	Dry					
Color Light	Medium	Dark					e modifying Black	Other	
Major Constit	Medium	Coarse		(Ci	rcle major 8 Sand	k underline Silt	modifying Clay		
Minor-Consti	tuent with trace Medium	Coarse	Wester 2 15	Gravel	Sand	Silt	Clay	<del></del>	and the second
Subsurface sedi	ment characteri	stics:							
Density / Con	sistency								
Sand /	Gravel - Ven	/ Loose	Loose	Me	dium Dense	De	ense	Very Dense	
Sil	t/Clay - Ven	Soft	Soft	Me	dium Stiff	Sti	ff	Very Stiff	Hard
Moisture Very Wet	Wet	Moist	Damp	Dry					
Color Light	Medium	Dark		(Ci Olive	<b>rcle major</b> 8 Gray B	<b>&amp; underlin</b> rown	e modifying Black	l) Olher	
Major Consti	tuent Medium	Coarse		(Ci Gravel	rcle major 8 Sand	& underlin Silt	e modifying Clay	7(8)	
Minor Consti Fine	tuent with trace Medium	Coarse		Gravel	Sand	Silt	Clay		
Biological: _	0	% De	bris:	< 5		il Sheen:	None	Trace (<5%)	%
Comments:	Pehvis:	strau							
Sh yel	14 19 ;	Straw	, legu	25				****	
· · · · · · · · · · · · · · · · · · ·									
									-74-12
	140000000000000000000000000000000000000	a mark transmission and removal	THE PERSON STREET, SAID						Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
	4.0 m. (c) 7.0 M. (c)	3-21-14	Boeing PL2	SD-PER 230
Coordin	nates		Water Depth	Time
North		East	Depth Unit Rep	
197079	1273	942	15.8 f t 3	0.2 Grab 1537
Penetration  Depth Unit Initials So Surficial sediment characteristics:	loudy	Surficial W Contact Po	ood Estimate: ints —————	X 5 =%
Biological:%	Debris:	<b>&gt;</b> %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist Color	Damp	Dry (Circle maj	or & underline modifyin	g)
Light Med(um) Dark		Olive Gray	Brown Black	Other
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modifyin Silv Cla	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Sill Cla	у
Subsurface sediment characteristics:	4			
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very Stiff Hard
Moisture  Very Wet Wel Moist	l Damp	Dry		
Color Light Medium Dark	)		or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coar	se	(Circle ma Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fi∩e Medium Coar	se	Gravel Sand	d Sil) Cla	у
Biological:%	Debris:	5%	Oil Sheen: None	Trace (<5%)%
Comments:	l worms	,		
her Dely 19: 10	w9 W00	1 10009		
	*			
	0_101_01000 10014			

# SD-PER211-0314

QUAL	ITATIVE SA	MPLE CHARAC	TERISTICS	F	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identi Numbe	4
	3-17-14			SD-PER 211	
Coordir	ates		Water Depth		Time
North		East	Depth Unit Re	ep Gear	
196841	12747	299	24.7 f t	0.2 Grab	1506
	Land Sings	Surficial Woo Contact Poin		_ X5 =	<u></u> %
Surficial sediment characteristics:	<i>r</i>	3/	and Trap Energy,		
Biological:%	Debris: 5	<u>/o</u> % (	Oil Sheen: None		%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			& underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coars	е	(Circle major Gravel Sand	& underline modifyi	<b>ng)</b> ay	
Minor Constituent with trace  Eine Medium Coars	е	Gravel Sand	Silt CI	ay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dens	e Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle major	& underline modifyi Brown Black	<b>ng)</b> Olher	
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	& underline modifyi	ng) ay	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	) silt c	ay	
Biological: 51/0 %	Debris:	575 %	Oil Sheen: None	Trace (<5%)	%
Comments: WOD, glass, leaves,	lwigs	 – AMEC Proj. BP	2 Perimeter		
		SD-PER211-03	. 6	sn _	
		QSC Form			
			7_/2014 Time:_	1576	
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QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-17-14		SD-PER ZII
Coordin	nates		Water Depth	Time
North		East	Depth Unit Rep	
196839	1274303	3	24,3 112	0.2 Grab 15 18
Penetration  Depth Unit Initials SON Weat	her ii.	Surficial Wo	ood Estimate: ints	X 5 = %
Surficial sediment characteristics:				,,,
Biological:%	Debris: 5	%	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wel Moist	Damp	Dry	The same of the sa	
Color Light Medium Dark		(Circle majo Olive Gray	or & underline modifyin Brown Black	g) Olher
Major-Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fine Medium Coars	ee	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry	1	
Color Light Medium Dark	>	Olive Gray	or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	у
Biological:%	Debris:	.5 %	Oil Sheen: None	Trace (<5%)%
Comments: Dello, leaves, gras				
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QUA	LITATIVE SA	AMPLE CHARA	ACTERISTICS	Page of
		Date		Sample Identification
Coordinate Datum		(mm/dd/yy)	Project Location	Number
		7-17-14	Boeing PL2	SD-PER ZI)
Coordi	nates		Water Depth	Time
North		East	Depth Unit Re	
196839	1274	296	26.0 ft 3	
Penetration  Depth Unit Initials O Wear		Surficial W	ood Estimate:	
	1000			X 5 =%
Surficial sediment characteristics:	967			
Biological:%	Debris: 5	%	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle maj Olive Gray	or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	se .	(Circle maj Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fine Medium Coars	6e	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Sti	f Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	)	(Circle maj	or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	3e	(Circle maj Gravel Sand	or & underline modifyin	(7) A
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	у
Biological:%	Debris:	5%	Oil Sheen: None	Trace (<5%)%
Comments:		W Color	5	
<i>J</i> ,				
1				
			2	
-				
1				

### SD-PER212-0314

QUAL	ITATIVE SAM	MPLE CHARAC	TERISTICS	Paç	ge of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identific Number	ation
		3-54.14 B	oeing PL2	SD-PER 212	
Coordin	ates		Water Depth		Time
North		East	Depth Unit Re	p Gear	Time
196855	12741	35	12,411	0.2 Grab	846
Penetration  Depth Unit Initials O Weath  C m 6 5 m 5 m 5 m 5 m 5 m 5 m 5 m 5 m 5 m		Surficial Woo Contact Point		X5 = _	%
Biological:%	Debris:	ace_% c	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	)		& underline modifyi	ng) Other	
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	& underline modifyi Silt Cl		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt CI	ay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dens	e Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet We Moist	Damp	Dry			
Color Light Medium Dark		(Circle major Olive Gray	& underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline modifyi Silt Cl	<b>ng)</b> ay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt) CI	ay	
Biological:%	Debris:	<u> </u>	Oil Sheen: None	Trace (<5%)	%
Comments: Debris: small (2000	-	1	P2 Perimeter		
		SD-PER212-0:		22/	
		QSC Form	2000 Mariana (2000 Mariana)		
			4.	V42	
		Date:/_	/2014 Time:	9 18	
	PARTIES AND THE SERVICE TO THE	Section 2012		A	min\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-24-19	Boeing PL2	SD-PER 212
Coordin	nates		Water Depth	Time
North		East	Depth Unit Rep	
196826	12742	5	11-9 ft2	0.2 Grab 859
Penetration  Depth Unit Initials Weat		Surficial Wo	ood Estimate: nts	X 5 =%
Surficial sediment characteristics:	1			
Biological:%	Debris:	sace %	Oil Sheen: None	Trace (<5%)%
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	)	(Circle majo Olive <u>Gray</u>	or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifyin Silt Cla	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	?	(Circle major) Olive Gray	or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coar	se	(Circle maj Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	(Sill) Cla	у
Biological:%	Debris:	<b>%</b>	Oil Sheen: None	) Trace (<5%) %
Comments: Debns: grass, twi	95			
2.000				

Date (mm/dd/yy) Project Location Number 3~~り Boeing PL2 SD-PER マリス	ation
Coordinates Water Depth	Time
North East Depth Unit Rep Gear	Time
146822 1274124 11.5 f t 3 0.2 Grab	908
Penetration  Depth Unit Initials Some Weather Some Some Some Some Some Some Some Some	<u></u> %
Biological:% Debris:Trace (<5%)	%
Moisture  Very Wel Web Moist Damp Dry	
Color (Circle major & underline modifying) Light Medium Dark Olive Gray Brown Black Other	
Major Constituent (Circle major & underline modifying) Fine Medium Coarse Gravel Sand Silt Clay	
Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay	
Subsurface sediment characteristics:  Density / Consistency	
Sand / Gravel - Very Loose Loose Medium Dense Dense Very Dense	
Silt / Clay - Very Soft Soft Medium Stiff Stiff Very Stiff	Hard
Moisture Very Wet Wet Moist Damp Dry	
Color (Circle major & underline modifying)  Light Medium Dark Olive Gray Brown Black Other	
Major Constituent (Circle major & underline modifying) Fine Medium Coarse Gravel Sand Silt Clay	
Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay	
Biological:% Debris:% Oil Sheen: None Trace (<5%)	%
Comments: Debns: bnck pieres, Awigs	

### SD-PER213-0314

QUALI	TATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-24-14	Boeing PL2	SD-PER 213
Coordina	ites		Water Depth	Time
North		East	Depth Unit Re	p Gear
196681	127 43	79	23,8 f 1 1	0.2 Grab 933
Penetration  Depth Unit Initials S S Weather  13 c m GTM Sunny	Fines (%)	Surficial Wo	od Estimate: nts	_ X 5 =%
Surficial sediment characteristics:				
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifyi Brown Black	ng) Other
Major Constituent (Fine Medium Coarse	ı	(Circle majo Gravel Sand	or & underline modifyi	ng) ay
Minor Constituent with trace Fine Medium Coarse	2	Gravel Sand	Silt CI	ay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		Ý
Color Light Medium Dark			or & underline modifyi	
Major Constituent Fine Medium Coarse	9	(Circle majo Gravel Sand	or & underline modifyi	ing) lay
Minor Constituent with trace Fine Medium Coarse	е	Gravel Sand	Silt C	lay
	Debris:	<u> </u>	Oil Sheen: None	s contract of the second
Comments: Biological: Shrimp, Delong: twigs gras	Worms			
7 7		Α	MEC Proj. BP2 Per D-PER213-0314	Initials: 65 M
				623
			Date: 3 24	2014 Time: 933 =
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QUALITATIVE SAMPLE CHARACTERISTICS Page of									
C	Coordinate Da	tum		Dat (mm/de	1	Project Loc	cation	Sample Identii	
		1715 - 2007 - 2001 - 2007		3-24	- ) ¹ ) Bo	eing PL2		D-PER 213	
		Coordina	ites			Water De	epth		Time
Nor	rth			East			Unit Rep	Gear	
19668	2		12743	82		24.8	f t Z	0.2 Grab	950
Penetration  Depth Unit Initial Control Contro	als Sulfide	Weather way	Fines (%)		ficial Wood		3	X 5 =	%
Surficial sediment cl	naracteristic	s:							
Biological:	0	_% [	Debris:	mer.	% Oi	I Sheen:	None	Trace (<5%)	%
Moisture Very Wet	Wet	Moist	Damp	Dry					
Color Light M	edium	Dark			cle major & Gray (Br	underline own l	<b>modifying</b> Black	Other	
Major Constituen Fine M	it ledium	Coarse		(Cir. Gravel	cle major 8 Sand	underline Sill	modifying Clay		
Minor Constituen	nt with trace ledium	Coarse		Gravel	(Sand)	Silt	Clay	·	
Subsurface sedimen	it characteris	stics:							
Density / Consist	ency								
Sand / Grav	<u>vel -</u> Very	Loose	Loose	Med	lium Dense	Der	ise	Very Dense	
Silt / C	lay - Very	Soft	Soft	Med	dium Stiff	Stiff	f	Very Stiff	Hard
Moisture Very Wet (	Wet	Moist	Damp	Dry					
Color Light M	1edium (	Dark				& underline rown		Other	
Major Constituen	nt 1edium	Coarse	)	(Cir Gravel	cle major & Sand	& underline Silt	modifying Clay	)	
Minor Constituer Fine N	nt with trace Medium	Coarse	)	Gravel	Sand	Silt	Clay		
Biological:	Trace		Debris:	0		il Sheen:	None	Trace (<5%)	%
Comments:	: - Lyon				***************************************				
Depus II	2195								
								-	
		Banner							
***************************************									

QUAL	ITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-24014	Boeing PL2	SD-PER 213
Coordin	nates	17.000000000000000000000000000000000000	Water Depth	Time
North		East	Depth Unit Rep	
196684	1274	372	23,7 f t 3	
Penetration  Depth Unit Initials S S Weat  S S S S S S S S S S S S S S S S S S S	75.5	Surficial Woo		X 5 =%
Surficial sediment characteristics:	Dahalas TT			
Biological:		Dry	Oil Sheen: None	Trace (<5%)%
Color Light Medium Dark		122021	& underline modifying Brown Black	g) Other
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	r & underline modifying Sill Clay	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Clay	·
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark-	)		r & underline modifyin Brown Black	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modifyin Silt Cla	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	у
Biological:%	Debris:	<u> </u>	Oil Sheen: None	* ***
Comments: Biological worms				
2000				
		70.00		
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## SD-PER301-1213

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-14-14	Boeing PL2	SD-PER 30/
Coordir	nates		Water Depth	Time
North		East	Depth Unit Rep	A Designation
196485	127 46	40	22.7 ft 1	0.2 Grab 901
Penetration  Depth Unit Initials   Unit Initials   Unit Unit Initials   Unit Initials   Unit Initials   Unit Initials   Unit Initials   Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit Initials  Unit		Surficial Wo Contact Poi	ood Estimate: nts	X 5 =%
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Moisture  Very Wet Wet Moist	Damp	Dry	X.	
Color Light Medium Dark			Brown Black	g) Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modifyin Sill Cla	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Clay	,
Subsurface sediment characteristics:	**************************************	A STATE OF THE STA		
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifying Brown Black	
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	r & underline modifying  Silt Clay	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Clay	
Biological:%	Debris:	ITALA %	Oil Sheen: None	Trace (<5%)%
Comments: DEBAS: Icaves, twice	7 (7			
			AMEC Pro: Do	N 1
· · · · · · · · · · · · · · · · · · ·			AMEC Proj. BP2 Pe	erimeter .
			30-PER_3/31-0314	Initials: 65m
			QSC Form	-
			Date: 3 1/2/20	014 Time: 90)

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinale Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number		
		3-14-14	Boeing PL2	SD-PER 301		
Coordin	nates		Water Depth	Time		
North		East	Depth Unit R			
196477	12746	+2		≥ 0.2 Grab 9 2 4		
Penetration  Depth Unit Initials S S Weath		Surficial V Contact P	Vood Estimate: oints	X 5 = %		
Surficial sediment characteristics:	<del>/                                    </del>					
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)%		
Moisture Very Wet Wet Moist	Damp	Dry		2		
Color Light Medium Dark		(Circle ma	jor & underline modify Brown Black	ing) Other		
Major Constituent Fine Medium Coars	е	(Circle ma Gravel San	ijor & underline modify d Silt C	ing) lay		
Minor Constituent with trace Fine Medium Coars	e	Gravel San	d Silt C	lay		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium D	ense Dense	Very Dense		
Silt / Clay - Very Soft	Soft	Medium SI	iff Stiff	Very Stiff Hard		
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			ijor & underline modify Brown Black	Other		
Major Constituent Fine Medium Coars	e	(Circle ma Gravel San	njor & underline modify	ring) Clay		
Minor Constituent with trace  Fine Medium Coars	se	Gravel San	id Silt C	Slay		
Biological:%	Debris:	TACL %	Oil Sheen: Non	Trace (<5%)%		
Comments: Debns: I raves, tw	195					
31010giral Worins	۷.	tos successos some most fil				
				1		

QUA	LITATIVE SA	MPLE CHARAC	CTERISTICS	Page of		
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number		
		2 111 111	Boeing PL2 SD-PER 301			
Coordi	nates		Water Depth	Time		
North		East	Depth Unit Re	o Gear		
196481	1274	634	27-9 ft 3	0.2 Grab 94 D		
Penetration  Depth Unit Initials 0 Wea	ther is something the state of	Surficial Woo		X 5 =%		
Surficial sediment characteristics:						
Biological:%	Debris:	Trace %	Oil Sheen: None	Trace (<5%)%		
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			& underline modifyin Brown Black	Other		
Major Constituent Fine Medium Coars	se .	(Circle major Gravel Sand	r & underline modifyin Silt Cla			
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	у		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense		
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard		
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			r & underline modifyir Brown Black	Other		
Major Constituent Fine Medium Coar	se	(Circle major Gravel Sand	r & underline modifyir Silt Cla			
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt Cla	у		
Biological:%	Debris:	0%	Oil Sheen: None	Trace (<5%)%		
Comments:  Grand caused 1  Sample collected	from v	to occur or noisin/beat	one side	of grab		
Biological: worms Debny leowes, to	un:					
The second of th						
	20 00 00 00 00 00 00 00 00 00 00 00 00 0					
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### SD-PER302-0314

QUALITATIVE SAMPLE CHARACTERISTICS Page of								
Coordinate Datum		Date (mm/dd/yy)	Proje	ct Loc	ation		Sample Identification Number	
		3-13-14	Boeing PL2 SD-PER 3 ♥ ₹					
Coordin	ates		Wa	ter De	pth			Time
North		East	Dep		Unit	Rep	Gear	00000000
196410	12747	77	71,	7	ft	)	0.2 Grab	942
	Her Hines	Surficial Wo		nate:		_	X5 = _	%
Surficial sediment characteristics:								
Biological:%	Debris:	Trace %	Oil Shee	en:	No	ne	(<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry						
Color Light Medium Dark		Olive Gray	Brown		modi Black	fying)	Other	
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand		erline ilt		f <b>ying)</b> Clay		
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	} s	ilt		Clay		
Subsurface sediment characteristics:	2000000							
Density / Consistency								
Sand / Gravel - Very Loose	Loose	Medium Der	nse	Den	se		Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	f	Stiff			Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry						
Color Light Medium Dark		Olive Gray			<b>modi</b> Black	fying)	Other	*.
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand		erline	modi	f <b>ying)</b> Clay	V	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	∍ s	ilt		Clay	S <del>Marie</del>	
Biological:%	Debris:	0%	Oil Shee		No	1	Trace (<5%)	%
Comments: Debris: leaver, two								
	- ANAEC Droi	BP2 Perimeter						
	- - SD-PFR302	-0314 Initials:	634	7	250 100			- 17 (S.
	– QSC Form		4	¬				
		<u>/ 13/201</u> ‡Tim	ne:	+ <				
								Amin\Field Forms\QSC

QUALITATIVE SAMPLE CHARACTERISTICS Page of								
Coordinate Datum	U.PA	Date (mm/dd/yy)	Project Location	Sample Identifi Number	cation			
		3-13-14	Boeing PL2	SD-PER 30	2			
Coordin	nates		Water Depth		Time			
North		East	Depth Unit R	ep Gear				
196419	12747	73	22.4 f t	2 0.2 Grab	954			
Penetration  Depth Unit Initials S  c m < s \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	her Lucky	Surficial Wo Contact Poi	od Estimate: nts	_ X5 = _	%			
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)	%			
Moisture Very Wet Wet Moist	Damp	Dry						
Color Light Medium Dark			r & underline modify Brown Black	Other				
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	r & underline modify	i <b>ng)</b> lay				
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt C	lay				
Subsurface sediment characteristics:			100000000000000000000000000000000000000					
Density / Consistency								
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense				
Silt / Clay - Very Soft	(Soft)	Medium Stiff	Stiff	Very Stiff	Hard			
Moisture Very Wet Wet Moist	Damp	Dry	160					
Color Light Medium Dark	)	Olive Gray	r & underline modify Brown Black	ing) Other	5			
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modify	i <b>ng)</b> lay				
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt C	lay				
Biological:	Debris:	Thee %	Oil Sheen: None	Trace (<5%)	%			
Comments: Leavel +	WIG (							
Kibling India Salawa	AN V		Will Mind to the second					
			ATT 100 YEAR OLD 100 YEAR					

QUALITATIVE SAMPLE CHARACTERISTICS Page of							
Coordinate Datum		Date (mm/dd/yy)	Project Lo	cation	Sample Identif Number	S. Landerson	
54 - 4		3-13-14	Boeing PL2 SD-PER 302				
Coordin	nates		Water D	enth		Time	
North		East	Depth	Unit Re	o Gear	Timio	
196415	1274		27.9	f t		1005	
Penetration  Depth Unit Initials S S Weat		Surficial Wo Contact Poi	od Estimate:		X 5 =	%	
Surficial sediment characteristics:							
Biological:%	Debris:	vace %	Oil Sheen:	None	Trace (<5%)	%	
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark		Olive Gray	r & underline Brown	modifyin Black	g) Other		
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline	modifyin Cla			
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt	Cla	у		
Subsurface sediment characteristics:		2000000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 200000	· · · · · · · · · · · · · · · · · · ·				
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Medium Den	se De	nse	Very Dense		
Silt / Clay - Very Soft	Soft	Medium Stiff	Stir	ff	Very Stiff	Hard	
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark	`	Olive Gray	r <b>&amp; underline</b> Brown	modifyin Black	g) Other	7.	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline	modifyin Cla			
Minor Constituent with trace			\				
Fine Medium Coars	е	Gravel Sand	Silt	Cla	у		
Biological:%		~ %	Oil Sheen:	None	Trace (<5%)	%	
Comments:							
Debrid Leaves for	1195	_	7,000		100 - 1 - 104 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 102 - 10		
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						74.	
	0 1 10 10 1						

## SD-PER303-0314

QUAL	ITATIVE SA	MPLE CHARA	CTERISTIC	S	Pa	ge of
Coordinate Datum		Date (mm/dd/yy)	Project Location		Sample Identification Number	
	3-13-14	Boeing PL2		D-PER 303		
Coordin	ates	Teas with the second	Water De	pth		Time
North		East		Unit Rep	Gear	
196265	12749			104	0.2 Grab	856
Penetration  Depth Unit Initials S S Weath	ner Eines	Surficial Wo	ood Estimate: ints		X5 = _	%
Surficial sediment characteristics:						1
Biological:%	Debris:	race %	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	Brown B	modifying) lack	Other	
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	or & underline r	<b>modifying)</b> Clay		1
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt	Clay		
Subsurface sediment characteristics:		10011130			NO 50 98 9000	
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse Dens	se	Very Dense	3
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	)		or & underline i Brown B		Other	
Major Constituent Fine Medium Coars	е	(Circle maj Gravel Sand	or & underline	modifying) Clay		
Minor Constituent with trace Fine Medium Coars	e*	Gravel Sand	Silt	Clay		
Biological:%	Debris:	race. %	Oil Sheen:	None	Trace (<5%)	%
Comments: Debris: leaves, twigs		4.	***************************************	. ¥9	***************************************	
ACC DI	roj. BP2 Perin	neter	-	*	4	
AMECT	303-0314 II	nitials: 65V				
QSC FO	rm	85	6 =			
Date:	3 1 13/20	014 Time: 85	<u> </u>			
Date.	- 1075 0					776.778
					P	min\Field Forms\QSC

	QUAL	ITATIVE S	AMPLE C	HARAC	TERISTI	CS	330		Page of
Coordinate Datum			Da (mm/d		Project Location			Sample Identification Number	
			3 - 13 -	14 B				PER 3	Σ.
	Coordir	ates			Water D	epth		0 51805	Time
North			East		Depth	Unit	Rep	Gear	
196260		127	4856		12.9	f t	2	0.2 Grab	911
Penetration  Depth Unit Initials    C m 6 5 V	Sunna	ner Lines (%)		rficial Woo	d Estimate s			X 5 =	
Biological:		Debris:	Trace	% C	il Sheen:	No	ne (	Trace (<5%	Si Cic
Moisture Very Wet Wei		-	Dry						
Color Light Medium	Dark				& underline	e modi Black	fying)	Other	
Major Constituent Fine Mediun	Coars	е	(Ci Gravel	rcle major Sand	& underline Silt	e modi	<b>fying)</b> Clay		
Minor Constituent with Fine Mediun		е	Gravel	Sand	Silt		Clay		
Subsurface sediment cha	racteristics:						11111 265 — 125		to America
Density / Consistency Sand / Gravel -	Very Loose	Loose	Me	dium Dens	e De	ense		Very Dense	3
Silt / Clay -	Very Soft	Soft		dium Stiff	Sti	iff		Very Stiff	Hard
Moisture Very Wet We	) Moist	Damp	Dry						
Color Light Mediur	Dark				<b>&amp; underlin</b> Brown				
Major Constituent Fine Mediur	n Coars	se	(Ci Gravel	i <b>rcle major</b> Sand	& underlin Silt	e mod	ifying Clay		
Minor Constituent wit		se	Gravel	Sand	Silt		Clay		
Biological:	%		trace		Oil Sheen:	-	one)	Trace (<5%	6)
Comments: GPS Debris: 100	frica	non to	\						
							- FE EAST		
8				and the same of th		VERNI DES	3. 10		

QUALI	TATIVE SAI	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum	Date (mm/dd/yy)	Project Location	Sample Identification Number	
Octomics Datum		3-13-14		D-PER 303
Coordina	ates		Water Depth	Time
North		East	Depth Unit Rep	Gear
196262	1274	852	12.9 ft3	0.2 Grab 923
Penetration  Depth Unit Initials S Weath		Surficial W	ood Estimate: ints	X 5 = %
0 cm < 3 m / 1 mm	)			A 5
Surficial sediment characteristics:				
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry	, e	
Color Light Medium Dark		Olive Gray	or & underline modifying Brown Black	g) Other
Major Constituent Fine Medium Coarse	e	(Circle maj Gravel Sand	or & underline modifying	
Minor Constituent with trace Fine Medium Coarse	e	Gravel Sand	Silt Clay	/
Subsurface sediment characteristics:				3 - 3 - 41 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	ense Dense	Very Dense
Silt / Clay - Very Soft	(Soft)	Medium St	ff Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	)		jor & underline modifyin Brown Black	
Major Constituent  Eine Medium Coarse	е	(Circle ma Gravel San	jor & underline modifyin d Sill Cla	
Minor Constituent with trace Fine Medium Coarse	е	Gravel San	d Silt Cla	у
Biological:%	Debris:	ace %	Oil Sheen: None	Trace (<5%)%
Comments:				
-		200 200 200 200 200 200 200 200 200 200		
		-110 1100 - Tani - 1100 - 1		

SD-PER304-0314

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinale Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-17-14	Boeing PL2	SD-PER 304
Coordina	ales		Water Depth	Time
North		East	Depth Unit Rep	Time Gear
196189	1275	019	23.1 ft 1	0.2 Grab 8 45
Penetration  Depth Unit Initials V Weath	er Fines (%)	Surficial Wo	ood Estimate: ints	X5 =%
Surficial sediment characteristics:				
Biological:%	Debris: <u> </u>	%	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo Olive Gray	or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coarse	2	(Circle majo Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fine Medium Coarse	)	Gravel Sand	Silt Cla	у
Subsurface sediment characteristics:	- 37-18-78-78-78-78-78-78-78-78-78-78-78-78-78			
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo	or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coarse		(Circle majo Gravel Sand	or & underline modifyin Silt Cla	
Minor Constituent with trace Fine Medium Coarse	e	Gravel Sand	Silt Cla	у
Biological: Trace %	Debris:	%	Oil Sheen: None	Trace (<5%) %
Comments: Worms leade 5				
				-a B ihan
			AMEC Proj. B	CIN
			OSC Form	
	MACCO 20 - 20 - 20 - 20 - 20 - 20 - 20 - 20		Osta: 3 /	17/2014 Time: 845
			Date,	

OLIAL	ITATIVE OARADI					
QUAL	LITATIVE SAMPL	E CHARACT	reristio	CS	P	age of
Coordinate Datum	n)	Date · Im/dd/yy)	Project Lo	cation	Sample Identif	
	2-1	17-14 Bo	peing PL2	SI	D-PER 30	1
						1
Coordin	nates		Water D	epth		Time
North	East		Depth	Unit Rep	Gear	
196194	127 502 5		24.)	f t 2	0.2 Grab	0901
Penetration  Depth Unit Initials S S Weat	her i.i. (%)	Surficial Wood Contact Points			X5 =	%
Surficial sediment characteristics:	/-					
Biological:%	Debris: + Val	% Oi	il Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp Dr	у				
Color Light Medium Dark	Olive	(Circle major & Gray Br		<b>modifying</b> ) Black	Other	
Major Constituent Fine Medium Coars	se Grave	(Circle major &	Silt	modifying) Clay		
Minor Constituent with trace Fine Medium Coars	se Grave	Sand	) Silt	Clay		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Dense	Der	nse	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stif	f	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp Dr	у				
Color Light Medium Dark	Olive	(Circle major & Gray Br	underline rown	modifying) Black	Other	
Major Constituent Eine Medium Coars	se Grave	(Circle major 8	underline Silt	modifying Clay	)	
Minor Constituent with trace						
Fine Medium Coars	. 5	Sand	Silt	Clay		
Biological: 4ra (2 %	Debris:		il Sheen:	None	Trace (<5%)	%
Comments: 1 grass	worr					
				Constitution of the second		
						2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

QUALITATIVE S	AMPLE CHARAC	TERISTICS	Page of
Coordinate Datum	Date (mm/dd/yy)	Project Location	Sample Identification Number
			SD-PER 304
Coordinates		Water Depth	Time
North	East	Depth Unit Rep	
196198 12750	25	25.0 1 1 3	0.2 Grab 913
Penetration  Depth Unit Initials SS > Weather ii SS   SS   SS   SS   SS   SS   SS	Surficial Wood Contact Points		X 5 =%
Surficial sediment characteristics:			
Biological:% Debris: 1	~ (L % O	il Sheen: None	Trace (<5%) 45 %
Moisture Very Wet Wet Moist Damp	Dry		
Color Light Medium Dark		Lunderline modifying rown Black	g) Other
Major Constituent Fine Medium Coarse	(Circle major & Gravel Sand	underline modifying Silt Clay	(A)
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:			
Density / Consistency			
Sand / Gravel - Very Loose Loose	Medium Dense	Dense	Very Dense
Silt / Clay - Very Soft Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist Damp	Dry		
Color Light Medium Dark	Olive Gray B	k underline modifying rown Black	g) Other
Major Constituent Fine Medium Coarse	(Circle major & Gravel Sand	underline modifying	
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	Silt Clay	
Biological: Traa % Debris: #	race % o	il Sheen: None	Trace (<5%) %
Comments: 18a085, tuigs, Wo	m S		

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QUALITA	ATIVE SAMPI	LE CHARAC	CTERISTICS		Page of
Coordinate Datum		Date mm/dd/yy)	Project Location	Sample Iden	
			Boeing PL2	SD-PER 30	5
Coordinates	6				1
North	Eas	ı	Water Depth Depth Unit	Rep Gear	Time
196043	1275098		15.0 f t	0.2 Grab	1125
Penetration  Depth Unit Initials S S Weather  10 c m GS N S NWY	Fines (%)	Surficial Woo		X 5 =	%
Surficial sediment characteristics:					
Biological:% Del	bris:5	%	Oil Sheen: Nor	Trace (<5%	)%
Moisture Very Wet Web Moist	Damp D	)ry			
Color Light Medium Dark	Olive		& underline modif Brown Black	ying) Other	
Major Constituent Fine Medium Coarse	Grav		& underline modif Silt	<b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coarse	Grav	vel Sand	Silt	Clay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense	•
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp [	Dry			
Color Light Medium Dark	Oliv	(Circle major	r & underline modif Brown Black	fying) Other	
Major Constituent Fine Medium Coarse	Gra		r & underline modif	f <b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coarse	Gra	vel Sand	Silt	Clay	
Biological:% De	bris:15_	%	Oil Sheen: No	ne Trace (<5%	») %
Comments: Febris Consisting of Leaves, tungs. Wood	d chips	AMEC Proj. SD-PER305- QSC Form	BP2 Perimeter 0314 Initials: //2012 Tim	63M	
	to the same of the		U 20070 AVE 200		

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-11-14	Boeing PL2	SD-PER 305
Coordir	ates		Water Depth	Time
North		East	Depth Unit Re	
196039	12750		14.8 ft 3	
Penetration  Depth Unit Initials S S Weath		Surficial Wo	ood Estimate: ints	X 5 = %
Surficial sediment characteristics:	7			
Biological:%	Debris:	rall %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wêt Moist	Damp	Dry		
Color Light Medium Dark		(Circle major) Olive Gray	or & underline modifying Brown Black	ng) Other
Major Constituent Fine Medium Coars	е	(Circle major Gravel Sand	or & underline modifying Silt Cla	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Cla	ау
Subsurface sediment characteristics:				*****
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			or & underline modifying Brown Black	
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underline modifying Silf Cla	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cl	ay
Biological:%		tall %	Oil Sheen: None	Trace (<5%)%
Comments: Debris Consistin	- A	Farres, tw	193	
A11 3 - Mil	<del> </del>		V	
			**************************************	
	N O DRIES			
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QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-11-14	Boeing PL2	SD-PER 395
Coordin	ates		Water Depth	Time
North		East	Depth Unit Re	ep Gear
196 937	12751	03	15.4 ft =	0.2 Grab \\56
Penetration  Depth Unit Initials S S Weath		Surficial Wo	ood Estimate: ints	X 5 =%
Surficial sediment characteristics:				
Biological:%	Debris:	ace. e %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			Brown Black	ng) Olher
Major Constituent Fine Medium Coars	е	(Circle major Gravel Sand	or & underline modifyi  Silt Cl	ng) ay
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt	ay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	>	(Circle majo	or & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modifyi	<b>ng)</b> ay
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt CI	ay
Biological:%	Debris:	rue %	Oil Sheen: None	<i></i>
Comments: Trace Birdogical Trace October Com	COASIST		vins mgs	
N-0				
			20-20-20-20-20-20-20-20-20-20-20-20-20-2	
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## SD-PER306-0314

QUALI	TATIVE SA	MPLE CHARA	CTERISTI	cs	Pa	age of
Coordinate Datum		Date (mm/dd/yy)	Project Lo	ocation	Sample Identifi Number	
		3-11-14	Boeing PL2		SD-PER 30	6
Coordina	ates	* ***	Water D	epth		Time
North		East	Depth	Unit Rep	Gear	
196020	1275	275	56.6	ft)	0.2 Grab	1215
Penetration  Depth Unit Initials S Weath		Surficial Wo	ood Estimate ints	: 	X5 = _	%
Surficial sediment characteristics:	22,577					
Biological: Trace %	Debris:	race %	Oil Sheen:	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	or & underline Brown	e modifying Black	g) Other	
Major Constituent Fine Medium Coarse	ı.	(Circle majo Gravel Sand	or & underline Silt	e modifying Clay		= 1000 April 1
Minor Constituent with trace Fine Medium Coarse	ı	Gravel Sand	Silt	Clay	/	
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Der	nse De	nse	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	f Sti	ff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color		(Circle majo	or & underline	e modifyin	g)	
Light Medium Dark			Brown		Other	
Major Constituent Fine Medium Coarse	)	(Circle majo Gravel Sand	or & underline	e modifyin Cla		
Minor Constituent with trace Fine Medium Coarse	•	Gravel Sand	) Silt	Clay	/	- 1
Biological: Trace %	Debris:	10 %	Oil Sheen:	None	) Trace (<5%)	%
Comments:  AMEC Proj. BP  SD-PER306-03  QSC Form  Date:	14 Initials	: 63M	Biologic Stary Debvis	£100 x	low sholl idear	
The second of th					***	Amin\Field Forms\QSC

QUAL	ITATIVE S	AMPLE CHARAC	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		- 1 14	Boeing PL2	SD-PER 396
Coordin	nates		Water Depth	Time
North		East	Depth Unit Re	p Gear
196018	1275.	278	26.8 ft2	0.2 Grab 1225
Penetration  Depth Unit Initials O Weat  U c m 65 v Sum  Surficial sediment characteristics:		Surficial Wo		X5 =%
Biological:%	Debris:	C) %	Oil Sheen: None	Trace (<5%) %
Moisture  Very Wet Wet Moist		Dry		
Color Light Medium Dark			r & underline modifyi Brown Black	ng) Other
Major-Constituent Fine Medium Coars	e	(Circle major Gravel Sand	r & underline modifyi Silt Cl	(A.T.)
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt CI	ay
Subsurface sediment characteristics:				3,000
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			<b>r &amp; underline modifyi</b> Brown Black	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modifyi Sill CI	ng) ay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt CI	ay
Biological: Tracs %	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Comments: Biological, Work Deland twin 2, 150				
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QUAL	ITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
				5D-PER 306
Coordii	nates	•	Water Depth	Time
North		East	Depth Unit Rep	
196019	1275	270	26.8 1 1 3	0.2 Grab 123 6
Penetration  Depth Unit Initials S S Weat		Surficial Woo		X 5 =%
Surficial sediment characteristics:				
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			& underline modifying Brown Black	Other
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	& underline modifying ) Silt Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:			***	
Density / Consistency			120	
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			<b>&amp; underline modifyin</b> ç Brown Black	
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline modifying Silt Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Clay	
Biological: Isace %			Oil Sheen: None	Trace (<5%)%
Biological Worm				
	1000			
		<del>- 11 - 1</del> - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
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### SD-PER307-0314

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-11-14	Boeing PL2	SD-PER 307
Coordin	nates		Water Depth	Time
North	1275272	2 East	Depth Unit Re	in account
195879		5212	17-6 f t	1 0.2 Grab 1433
Penetration  Depth Unit Initials S > Weat		Surficial Wo	od Estimate: nts	X5 = %
Surficial sediment characteristics:				
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifying Brown Black	ng) Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	r & underline modifyi Silt Cla	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	SIRS CI	ay
Subsurface sediment characteristics:				
Density / Consistency			,	
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	)	(Circle majo	<b>r &amp; underline modifyi</b> Brown Black	ng) Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modifyi	<b>ng)</b> ay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt CI	ay
Biological:%	Debris:	5%	Oil Sheen: None	and the second s
Comments: Delens leaves, tu	ngs.		roj. BP2 Perimete	r
				:: G3 m
		QSC For	m	2011-2012
		Date: <u>3</u>	//2012 Tin	ne: 1433
				Amin\Field Forms\QSC

QU	ALITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-11-14 B	oeing PL2	SD-PER 3 07
Coo	rdinates		Water Depth	Time
North		East	Depth Unit Re	
195868	1275	275	17.0 ft 3	0.2 Grab 1.50 (
Penetration  Depth Unit Initials SO W	eather Eagle	Surficial Wood		
	sather IL S	Contact Points	5	X 5 = %
Surficial sediment characteristics:	)	race		
Biological:%	Debris:	<u> </u>	il Sheen: None	Trace (<5%)%
Moisture Very Wet (Wet) Mo	ist Damp	Dry		
Color Light Medium Da	rk		underline modifyir	Other
Major Constituent Fine Medium Co	arse	(Circle major 8 Gravel Sand	underline modifyir	
Minor Constituent with trace Fine Medium Co	arse	Gravel Sand	Silt Cla	y
Subsurface sediment characteristics	:			
Density / Consistency			ži	
Sand / Gravel - Very Loos	se Loose	Medium Dense	Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Mc	ist Damp	Dry		
Color Light Medium Da	rk	(Circle major 8	& underline modifyir rown Black	Other
Major Constituent Éine Medium Co	arse	(Circle major a Gravel Sand	& underline modifyir	
Minor Constituent with trace Fine Medium Co	arse	Gravel Sand	Silt Cla	у
Biological:%	Debris:	10.61 % O	il Sheen: None	Trace (<5%)%
Comments: 1446 - 822	r rentelrat	ion 5 cm	grave) / s	thy sand
Delons : Iraves,	thoras			
				22 2 20 20 1 20 1 20 1 2 1 2 1 2 1 2 1 2
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QUAL	ITATIVE SAI	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-11-14 1	Boeing PL2	SD-PER 307
Coordin	nates		Water Depth	Time
North		East	Depth Unit Re	
195873	127,5	<u> </u>	17.9 ft 3	
Penetration  Depth Unit Initials S  Weat		Surficial Woo		X 5 =
Surficial sediment characteristics:				
Biological:%	Debris:	acc_%	Oil Sheen: None	> Trace (<5%)
Moisture  Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	100		& underline modifyii Brown Black	ng) Other
Major Constituent Fine Medium Coars	se	<b>(Circle major</b> Gravel Sand	& underline modifying Silt Cla	1975 P
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	ay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			& underline modifyi Brown Black	
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline modifyi	19 <del>0.</del>
Minor Constituent with trace Fine Medium Coars	6e	Gravel (Sand)	Silt Cl	ау
Biological:%	Debris:		Oil Sheen: None	Trace (<5%)
Comments:	or genet		reg	
Debns: Iraves, trolg	3			7.Y.
			TOTAL REPORT OF THE PROPERTY O	
		4		
		*		N. Control of the con
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# SD-PER327-0314

QUALITATIVE SA	MPLE CHARAC	CTERISTICS	Page of
Coordinate Datum	Date (mm/dd/yy)	Project Location	Sample Identification Number
			D-PER 327
Coordinates		Water Depth	Time
North	East	Depth Unit Rep	Gear
195863 1275	274	14.8 f t 1	0.2 Grab 13 15
Penetration  Depth Unit Initials S S Weather Surficial sediment characteristics:	Surficial Woo		X 5 =%
Biological:% Debris:	race_%	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Web Moist Damp	Dry		
Color Light Medium Dark	Olive Gray	r & underline modifying Brown Black	Other
Major Constituent Fine Medium Coarse	(Circle majo Gravel Sand	r & underline modifying Silt Clay	
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:			
Density / Consistency			
Sand / Gravel - Very Loose Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist Damp	Dry		
Color Light Medium Dark		r & underline modifyin Brown Black	
Major Constituent Fine Medium Coarse	(Circle majo Gravel Sand	r & underline modifyin Silt Cla	
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	Silt Clay	
Biological:% Debris:	Trace %	Oil Sheen: None	Trace (<5%)%
Comments:			
Delons: twings	A	MEC Proj. BP2 Peri	A ANGEL CONTRACTOR AND ANGEL C
		S	<del></del>
222	a		nitials: 650
		SC Form	
	Da	ate: 3 / 1) /20:	12 Time: 1315 —

QUAI	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-11-14	Boeing PL2	SD-PER 327
Coordi	nates		Water Depth	Time
North		East	Depth Unit Rep	
195866	127	5274	14.8 f t 2	0.2 Grab 13 2 %
Penetration Penetr	Jes (		ood Estimate:	
10 cm 63 m 5 unu	2)		×	X 5 =%
Surficial sediment characteristics:	/			
Biological: Trace %	Debris:	ace %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	or & underline modifyin Brown Black	g) Olher
Major Constituent Fine Medium Coars	se	(Circle maje Gravel Sand	or & underline modifyin Silt Cla	177.7
Minor-Constituent with trace Fine Medium Coars	ie	Gravel Sand	Silt) Cla	у
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture Very Wel Wet Moist	Damp	Dry		
Color Light Medium Dark	1	(Circle maj	or & underline modifyin Brown Black	Other
Major Constituent Fine Medium Coar	se	(Circle maj Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt Cla	у
Biological: Truce %	Debris:	5%	Oil Sheen: None	Trace (<5%)%
	, Sh, MP	>		
	7			
			TOTAL STATE OF THE	

QUAL	ITATIVE SA	MPLE CHARA	ACTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-11-14	Boeing PL2	SD-PER 327
Coordin	ates		Water Depth	Time
North		East	Depth Unit Re	
195862	12752	.73	15,7 ft]	0.2 Grab 13 4 1
Penetration  Depth Unit Initials S S Ward  VO C m CS M S WAR		Surficial W Contact Po	ood Estimate: pints	X5 =%
Surficial sediment characteristics:				
Biological:%	Debris:	<u>\$</u> %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	or & underline modifying Brown Black	ng) Other
Major Constituent Fine Medium Coars	е	(Circle maj Gravel Sand	or & underline modifying	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cla	ау
Subsurface sediment characteristics:		- XXXX 7.00		3
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	ense Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			jor & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coars	e	(Circle ma Gravel Sand	jor & underline modifyi d Silt Cl	<b>ng)</b> ay
Minor Constituent with trace Fine Medium Coars	e	Gravel San	silt CI	ay
Biological: Trace %	Debris:	race &	Oil Sheen: None	5 Trace (<5%)%
Comments: Dobns leaves tu Biological work	1:95	Shell.		
		Control Control		

## SD-PER308-0314

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-11-14	Boeing PL2	SD-PER 308
Coordin	nates		Water Depth	Time
North		East	Depth Unit Re	
195834	1275		f t	) 0.2 Grab 1544
Penetration  Depth Unit Initials O Weath	her Eines (%)	CANAL TRANSPORTER	ood Estimate: ints	X5 =%
Surficial sediment characteristics:  Biological:%	Debris:	ace %	Oil Sheen: None	> Trace (<5%) %
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			or & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modifyi Silt Cl	ay
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Rilt CI	lay
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stil	f) Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			or & underline modify Brown Black	
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modify I Silt C	i <b>ng)</b> lay
Minor Constituent with trace Fine	se	Gravel Sanc	Silt C	lay
Biological:%	Debris:	(A) (C) 2 %	Oil Sheen: None	Trace (<5%)%
Comments:	o strong	+, get .	nator deth	
AMEC Proj. BP2 Perimeter	3	Biolee		
— SD-PER308-0314 Initials	CIN	(a)		<u>VI</u>
— QSC Form				
Date:	ne: 15 44			Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-11-14	Boeing PL2	SD-PER JOS
Coordin	nates		Water Depth	Time
North		East	Depth Unit Re	2000000
195834	12754	-81	27.5 ft 2	0.2 Grab )556
Penetration  Depth Unit Initials S S Weat		Surficial Wo Contact Poil	od Estimate: nts	X 5 =%
Surficial sediment characteristics:				
Biological:%	Debris:	5 %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet (Wet) Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifyir Brown Black	og) Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	r & underline modifyir Silt Cla	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt-3 Cla	му
Subsurface sediment characteristics:				
Density / Consistency		w.	29	
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture  Very Wel Wet Moist	Damp	Dry		
Color Light Medium Dark	>		or & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modifying Silf Cla	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	) Silt Cla	ау
Biological: TEXE 2 %		Tract %	Oil Sheen: None	Trace (<5%)%
Comments:  5:0109 1101: War  Debns: Things:		- es		E
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QUA	ALITATIVE SA	MPLE CHARAC	TERISTICS	Page of
Coordinate Datum	12.3	Date (mm/dd/yy)	Project Location	Sample Identification Number
				SD-PER 308
Coor	dinates		Water Depth	Time
North		East	Depth Unit Rep	Gear
195829	12754	+81	25.4 f t 3	0.2 Grab 16 0 9
Penetration  Depth Unit Initials O We	ather (%)	Surficial Wood		,
	ather it 8	Contact Point	s	X 5 =%
Surficial sediment characteristics:	J			
Biological:%	Debris:	race_% o	il Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moi	st Damp	Dry		
Color Light Medium Dan	k	(Circle major of Olive Gray B	underline modifying fown Black	Other
Major Constituent Eine Medium Coa	arse	(Circle major of Gravel Sand	& underline modifying Silty Clay	
Minor Constituent with trace Fine Medium Con	arse	Gravel (Sand)	Silt Clay	
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loos	e Loose	Medium Dense	Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Mo	ist Damp	Dry		
Color Light Medium Da	rk 3	(Circle major Olive Gray B	& underline modifying frown Black	g) Other
Major Constituent Fine Medium Co	arse	(Circle major Gravel Sand	& underline modifying	
Minor Constituent with trace Fine Medium Co	arse	Gravel Sand	Silt Clay	
Biological: Trace %	Debris:	Trace % c	Dil Sheen: None	Trace (<5%)%
Comments: Blological work	N.S.	X		- 1a
Debibs: leaves, -	twig s.		<u></u>	
			NOTE OF THE PARTY.	
			23.33 - 23.33 - 23.33 - 23.33 - 23.33 - 23.33 - 23.33 - 23.33 - 23.33 - 23.33 - 23.33 - 23.33 - 23.33 - 23.33	
			***************************************	
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## SD-PER309-0314

QUAI	LITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-21-14	Boeing PL2	SD-PER 309
Coordii	nates		Water Depth	Time
North		East	Depth Unit Re	
195653	1275	552	14.6 f t	0.2 Grab 1248
· ·	her Eines (%)	Surficial Wo	ood Estimate: ints	%
Surficial sediment characteristics:				
Biological:%	Debris:	<u>(5</u> %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		Olive Gray	Brown Black	ng) Other
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	& underline modifyi	1077160
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	ау
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	) Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist	Damp	Dry	ũ	
Color Light Medium Park	)	(Circle majo Olive Gray	Brown Black	ng) Olher
Major Constituent (Fine) Medium Coars	se	(Circle major Gravel Sand	s & underline modifyi Silt Cl	ng) ay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt CI	ay organics)
Biological:%	Debris:	5 %	Oil Sheen: None	Trace (<5%) %
Comments: Depris: Sull	Fraguent.	9		
July Denris i orgo	with - 4	1001		
		A	MEC Proj. BP2 Per	
		9	D-PER309-0314	Initials:
		(	QSC Form	_
			Date: $3 / 2 / 2$	014 Time: 12 4 8 _

QUAI	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-21-14		SD-PER 309
Coordi	nates		Water Depth	Time
North	22470477	East	Depth Unit Rep	
195659	12755	549	13.8 ft2	0.2 Grab 13 o 3
Penetration  Depth Unit Initials S S Weat  Surficial sediment characteristics:	her H (%)	Surficial Wo Contact Poi	od Estimate: nts	X 5 =%
Biological:	Debris:	< 5 _%	Oil Sheen: None	Trace (<5%)
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			r & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	ie.	(Circle majo Gravel Sand	r & underline modifyin Silt Cla	
Minor Constituent with trace Fine Medium Coars	;e	Graver Sand	Silt Cla	dyamics
Subsurface sediment characteristics:				
Density / Consistency	w.			
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo Olive Gray	r & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	se .	(Circle majo Gravel Sand	r & underline modifyin Silt Cla	<b>□</b> :
Minor Constituent with trace Fine Medium Coars	se ,	Gravel Sand	Silt Cla	organics
Biological:%	Debris:	5_%	Oil Sheen: None	Trace (<5%)%
Comments: Gustace 811 . Mggs	1 shell			
Surface Dobris! WE	8d			
govi vensia, lead	+ paux	ntew15		^
Some gadin		alenge for	grunded are	of Samples
			<b>J</b>	

QUAI	LITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-21-14		SD-PER 309
Coordi	nates		Water Depth	Time
North		East	Depth Unit Rep	
195659	1275	542	13.3 ft3	0.2 Grab 1316
Penetration  Depth Unit Initials SO Weat  c m 6500 Weat  Surficial sediment characteristics:	her Lines (%)	Surficial Wo	ood Estimate: ints	X 5 =%
Biological:%	Debris:	5%	Oil Sheen: None	Trace (<5%)
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle majo Olive Gray	pr & underline modifying Brown Black	g) Other
Major Constituent Fine Medium Coars	2	(Circle majo Gravel Sand	Silt Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Clay	y
Subsurface sediment characteristics:	*		(	
Density / Consistency	e de	,	381	
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard
Moisture  Very Wet Ver Moist	Damp	Dry		± +1
Color Light Medium Dark		(Circle major) Olive Gray	or & underline modifying Brown Black	g) Other
Major Constituent  Fine Medium Coals	se	(Circle mai Gravel Sand	or & underline modifying Silt Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Clay	у
Biological:%	Debris:	10 %	Oil Sheen: None	Trace (<5%)%
Surtace Bio! flound	Ash,	Shrlup		
Surface Delpris: woal	leaves			
200 Cenvis , Plant	stews	, leaves,	wood	
		er ma structus es	100 AMERICAN MANUFACTURE DE PROCESO DE	Amin\Field Forms\QSC

### SD-PER310-0314

QUAL	ITATIVE SA	MPLE CHARAC	TERISTICS	Pageo	r
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
		3-12-14 B	peing PL2	SD-PER 310	
Coordin	ates		Water Depth	Time	
North	20 24 VAN 88	East	Depth Unit Rep	Gear	
195596	12757	61	23.9 ft 1	0.2 Grab 14 2 5	
Penetration  Depth Unit Initials S S Weath		Surficial Wood Contact Points		X 5 =	_%
Surficial sediment characteristics:					
Biological:%	Debris:	race % o	il Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			underline modifyin rown Black	g) Other	
Major Constituent  Eine Medium Coars	е	Gravel Sand	& underline modifyin Silt Cla		
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silt Cla	у	
Subsurface sediment characteristics:	W SAN SON WARRAN	12 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dense	e Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Ha	rd
Moisture Very Wet Web Moist	Damp	Dry			
Color Light Medium Dark	)		& underline modifyir rown Black	Other	
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	& underline modifyir Silt Cla		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	ay	
Biological: Trace %	Debris:	all_%	Oil Sheen: None	Trace (<5%)	%
Comments: Biological: Works Debrid: leques, tw	19 5	AMEC Proj. BP2 Po SD-PER310-0314 QSC Form	Initials: 637	5	
		Date:	2012 11110		

Date (mm/dd/yy)   Project Location   Number	
Coordinates         Water Depth         Time           North         East         Depth         Unit         Rep         Gear           195586         1275768         24.4 ft         7 t         0.2 Grab         144	
North         East         Depth         Unit         Rep         Gear           195586         1275768         24.4 f t < 0.2 Grab	
North         East         Depth         Unit         Rep         Gear           195586         1275768         24.4 f t < 0.2 Grab	
195586 1275768 24.4 f t ? 0.2 Grab 144	2
Penetration Penetration Surficial Wood Estimate:	
Depth Unit Initials の > Weather	%
Surficial sediment characteristics:	
Biological:% Debris:% Oil Sheen: None Trace (<5%)	`%
Moisture  Very Wet Wet Moist Damp Dry	
Color (Circle major & underline modifying)  Light Medium Dark Olive Gray Brown Black Other	
Major Constituent (Circle major & underline modifying) Fine Medium Coarse Gravel Sand Silt Clay	
Minor Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay	
Subsurface sediment characteristics:	
Density / Consistency	
Sand / Gravel - Very Loose Loose Medium Dense Dense Very Dense	
Silt / Clay - Very Soft Soft Medium Stiff Stiff Very Stiff H	ard
Moisture Very Wet Wet Moist Damp Dry	
Color (Circle major & underline modifying)  Light Medium Dark Olive Gray Brown Black Other	
Major Constituent (Circle major & underline modifying) Fine Medium Coarse Gravel Sand Sill Clay	
Minor-Constituent with trace Fine Medium Coarse Gravel Sand Silt Clay	I
Biological: Trace (<5%)	%
Comments:	
Gong: twiss ravel	
Amin\Field F	

		QUALITA	THE OF						Page
	Coordinate Date	um		1	ate 'dd/yy)	Project Lo	cation	Sample Identi Numbe	
				3-13	)4 E	Boeing PL2	SI	D-PER 3	0
	(	Coordinates				Water D	epth		
	North		2 9/3/103	East		Depth	Unit Rep	Gear	
1955	190		127	5763		24.4	f t 3	0.2 Grab	14
	nitials Solition	Weather	Fines (%)		urficial Woo	d Estimate ts		X 5 =	
Surficial sediment	t characteristics	:							
Biological:	Trace	% Deb	oris:	race	% (	Oil Sheen:	None	Trace (<5%)	
Moisture	_	19/		We will with a					
Very Wet	Wet	Moist	Damp	Dry					
Color							modifying		
Light	Medium	Dark		Olive	Gray (	Brown.	Black	Other	
Major Constitu	u <b>ent</b> Medium	Coarse		(C Gravel	ircle major Sand	& underline Silt	e modifying Clay		
Minor Constitu Eine	uent with trace Medium	Coarse		Gravel	Sand	Silp	Clay	pou s	<u> </u>
Subsurface sedim	nent characteris	tics:			<del></del>				
Density / Cons	sistency								
657		0000	Loose		adium Dana	o De		V D	
Sand / G			Loose		edium Dens	е ре	ense	Very Dense	
000.0000000	/ Clay - Very S	Soft	Soft	M	edium Stiff	Sti	ff	Very Stiff	
Silt			77.0						
Silt / Moisture Very Wet	Wet	Moist	Damp	Dry					
Moisture		Moist Dark	Damp	(0			e <b>modifying</b> Black		
Moisture Very Wet  Color Light  Major Constitu	Medium (	Dark >	Damp	Olive (C	Gray I	Brown & underlin	Black e modifying	Other	
Moisture Very Wet Color Light	Medium	-	Damp	Olive (	Gray I	Brown	Black	Other	
Moisture Very Wet  Color Light  Major Constitu	Medium  uent  Medium  uent with trace	Dark	Damp	Olive (C Gravel	Gray I	& underlin	Black e modifying Clay	Other	
Moisture Very Wet  Color Light  Major Constitu Fine  Minor Constitu	Medium  uent  Medium  uent with trace  Medium	Dark Coarse Coarse		Olive (C Gravel	Gray I	& underlin Silt	Black e modifying Clay Clay	Other	
Moisture Very Wet  Color Light  Major Constitu	Medium  uent  Medium  uent with trace  Medium	Dark  Coarse  Coarse  M Deb	bris:	Olive (C) Gravel Gravel	Gray I	& underlin Sili Silt Oil Sheen:	Black e modifying Clay Clay	Other	
Moisture Very Wet  Color Light  Major Constitu Fine  Minor Constitu Fine  Biological:  Comments:	Medium  uent Medium  uent with trace Medium	Dark  Coarse  Coarse  M Deb	bris:	Olive (() Gravel Gravel	Gray I	& underlin Sili Silt Oil Sheen:	Black e modifying Clay Clay	Other	-
Moisture Very Wet  Color Light  Major Constitution Fine  Minor Constitution Fine  Biological:	Medium  uent Medium  uent with trace Medium	Dark  Coarse  Coarse  M Deb	oris:	Olive (C) Gravel Gravel	Gray I	& underlin Sili Silt Oil Sheen:	Black e modifying Clay Clay	Other	-
Moisture Very Wet  Color Light  Major Constitution Fine  Minor Constitution Fine  Biological:  Comments:	Medium  uent Medium  uent with trace Medium	Coarse Coarse % Deb	oris:	Olive (C) Gravel Gravel	Gray I	& underlin Sili Silt Oil Sheen:	Black e modifying Clay Clay	Other	
Moisture Very Wet  Color Light  Major Constitution Fine  Minor Constitution Fine  Biological:  Comments:	Medium  uent Medium  uent with trace Medium	Coarse Coarse % Deb	oris:	Olive (C) Gravel Gravel	Gray I	& underlin Sili Silt Oil Sheen:	Black e modifying Clay Clay	Other	-

# SD-PER311-0314

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Datum	Date (mm/dd/yy)	Project	Project Location		Sample Identification Number	
	3/12-14	Boeing PL	.2	SD-F	PER 31)	
Coordinates		Wate	er Depth		1000	Time
North	East	Dept	3.7	Rep	Gear	\$15000.50
195400 12756	584	22.5			.2 Grab	1513
Penetration Depth Unit Initials (%)  Depth Unit Initials (%)	Surficial Contact	Wood Estima Points	ate:		<i>(</i>	%
Surficial sediment characteristics:		,		_ ^	(5 =	
Biological:% Debris:	Trace %	Oil Sheer	n: 😡	ne) T	Гrасе (<5%)	%
<b>Moisture</b> Very Wet Wet Moist Damp	Dry					
Color Light Medium Dark	Olive Gray	Brown	line mod Black		Other	
Major Constituent Fine Medium Coarse		najor & under and Sil		i <b>fying)</b> Clay	<del>1811 - 17, 182</del>	
Minor Constituent with trace Fine Medium Coarse	Gravel Sa	and Sil	t	Clay	_	
Subsurface sediment characteristics:						
Density / Consistency				e		
Sand / Gravel - Very Loose Loose	Medium	Dense	Dense	,	Very Dense	
Silt / Clay - Very Soft Soft	Medium	Stiff	Stiff	1	Very Stiff	Hard
Moisture  Very Wet Wel Moist Damp	Dry					
Color Light Medium Dark	Olive Gray	najor & unde Brown			Other	
Major Constituent (Fine) Medium Coarse	3//	major & unde and Si	rline mod	lifying) Clay	0	
Minor Constituent with trace Fine Medium Coarse	Gravel (S	and) Si	ilt	Clay	8 <u>-</u>	
Biological:	Trace %	Oil Shee	en: N	one )	Trace (<5%	%
Comments:	/		***************************************			
Debors I leaves, thing & AME	C Proj. BP2 Pe	erimeter		F-100		
SD-PER311-0314 Initials: 63%						
OSC Form						
Date	e: <u>3 / 12</u> /	/201 Time	: 151	<u>ک</u> _		

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Datum		Date (mm/dd/yy)	Project Location		Sample Identification Number	
3 - 12 - 1 Y		Boeing PL2			1	
Coordin	ates		Water Depti			Time
North		East		it Rep	Gear	THIE
195403	127	5686	0) /	t Z	0.2 Grab	552
Penetration  Depth Unit Initials S S Weath		Surficial V	lood Estimate: oints		X5 =	%
Surficial sediment characteristics:	/					
Biological:%	Debris:	lace %	Oil Sheen: (	None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle ma	jor & underline me Brown Bla		Other	
Major Constituent Fine Medium Coars	e	(Circle ma Gravel San	ijor & underline m d Silt	odifying) Clay		
Minor Constituent with trace Fine Medium Coars	e	Gravel San	d Silt	Clay		777
Subsurface sediment characteristics:						
Density / Consistency				000		
Sand / Gravel - Very Loose	Loose	Medium D	ense Dense		Very Dense	
Silt / Clay - Very Soft	Soft	Medium Si	iff Stiff		Very Stiff	Hard
Moisture  Very Wet Wel Moist	Damp	Dry				
Color Light Medium Dark		(Circle ma	ijor & underline m Brown Bla	<b>odifying)</b> ick	Other	- 1000
Major Constituent Fine Medium Coars	se	(Circle ma Gravel San	ajor & underline m	<b>odifying)</b> Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sar	nd Silt	Clay		
Biological: Trace %	Debris:	Face %	Oil Sheen:	None	Trace (<5%)	%
Comments: 1524 wat Enological · eran Debns · Isanes	er ton	NOW WAY	*			
	WHI 530H					

QUALITATIVE SAMPLE CHARACTERISTICS Page of					
		Date (mm/dd/yy)	Project Location	Sample Identification Number	
	ラ・1ス-/ゲ Boeing PL2 SD-PE				
Coordin	nates		Water Depth	Time	
North		East	Depth Unit Re	p Gear	
195405	1275689		22-1 f t ]	0.2 Grab 16って	
Penetration  Depth Unit Initials SS S Weat		Surficial Woo		X5 =%	
Surficial sediment characteristics:  Biological:%	Debris: T	acl %	Oil Sheen: None	Trace (<5%) %	
Moisture Very Wet Wet Moist		Dry	Oli Sheeti.	) Hace (<5%)	
Color Light Medium Dark			& underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	silt Cl	7.0	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt CI	ay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense	
Silt / Clay - Very Soft	(Soft)	Medium Stiff	Stiff	Very Stiff Hard	
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	)		r & underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	r & underline modifyi Silt Cl	ng) ay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt C	lay	
Biological: Trace %	Debris:	race %	Oil Sheen: None	Trace (<5%)%	
Comments:  Biological: Works  Tickery: Legues tu					
	7				
				11 2000	
				Amin\Field Forms\QSC	

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QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Dalum		Dale (mm/dd/yy)	Project Location	Sample Identification Number		
		3-12-14 8	lant 2	SD PER 312		
Coo	rdinates	200	Water Depth	Time		
North		East	Depth Unit Rep	Gear		
106 555	12748	127	10.3111	9,2 W 858		
Penetration  Depth Unit Initials V V V V V V V V V V V V V V V V V V V	ealher E	Surficial Wood Contact Points	Estimate;	X 5 =%		
Biological:%	Debris:	race% Oi	Sheen: None	Trace (<5%)%		
Moisture  Very Wet Wet Mo	ist Damp	Dry				
Color Light Medium Da	rk		underline modifying) own Black	Other		
Major Constituent Fine Medium Co	arse	(Circle major & Gravel Sand	underline modifying) Silt Clay			
Minor Constituent with trace Fine Medium Co	arse	Gravel Sand	Silt Clay			
Subsurface sediment characteristics:  Density / Consistency						
Sand / Gravel - Very Loos	e Loose	Medium Dense	Dense	Very Dense		
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard		
Moisture Very Wet Wet Mo	pist Damp	Dry	1	"		
Color Light Medium Da	ark		underline modifying) own Black	Other		
Major Constituent Fine Medium Co	parse	(Circle major & Gravel Sand	underline modifying) Silt Clay			
Minor Constituent with trace Fine Medium Co	parse	Gravel Sand	Silt Cla			
Biological:%	Debris:	TM. E 1 % 0	il Sheen: None	Trace (<5%)%		
Comments: De bris: leavel, +	was					
	AME	C Proj. BP2 Perime	ter .			
	SD-PER312-0314 Initials: SSM					
T		Form	(i)			
	Date	: 3/12/2014	Time: 858			

G	UALITATIVE SAI	MPLE CHARAC	TERISTICS	Page of
Coordinate Datur	n	Date (ಗ್ನುm/dd/yy)	Project Location	Sample Identification Number
			Booing Ph2	50 PER 312
C	oordinates		Water Depth	Time
North	1	East	Depth Unit Rep	Gear
196 222	127483	32.	10,2 112	0.2 grab 910
	Weather ii (%)	Surficial Woo Contact Point		X 5 =%
Biological:	% Debris:	ace %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet	Moist Damp	Dry		
Color Light Medium	Dark		& underline modifying) Brown Black	Olher
Major Constituent Fine Medium	Coarse	(Circle major Gravel Sand	& underline modifying) Silt Clay	
Minor Constituent with trace (Fine) Medium	Coarse	Gravel Sand	Silt Clay	Proposition (see Section 1997)
Subsurface sediment characteristic  Density / Consistency	s:			
Sand / Gravel - Very L	oose Loose	Medium Dens	e Dense	Very Dense
Silt / Clay - Very S	Soft Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet	Moist Damp	Dry		
Color Light Medium (	Dark	Olive Gray	<b>&amp; underline modifying)</b> Brown Black	Other
Major Constituent Fine Medium	Coarse	(Circle major Gravel Sand	& underline modifying) Silf Clay	
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	Silt Clay	у
Biological:	% Debris:	5_%	Oil Sheen: None	Trace (<5%)
Comments: Debris : Foot	moternal, f	0055/6/4	decomposino	Wood
			£	

QUAL	ITATIVE SAI	MPLE CHARA	CTERISTICS	Page	of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification	lion
		3-12-14	Boeing PL2	SD-PER 312	
Coordin	nates		Water Depth		Time
North		East	Depth Unit Re	ep Gear	
196220	12748	30	10.0 f t 3	3 0.2 Grab	971
Penetration  Depth Unit Initials O Weat  12 c m 6) N Surficial sediment characteristics:		Surficial Wo	od Estimate: nts 	X 5 =	%
Biological:%	Debris:	acc %	Oil Sheen: None	) Trace (<5%)	%
Moisture Very Wet Wet Moist  Color Light Medium Dark		Dry (Circle majo	r & underline modify Brown Black		
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modify	ing) lay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt C	lay	
Subsurface sediment characteristics:  Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stif	Stiff	Very Stiff	Hard
Moisture Very Wet Wet Mois	l Damp	Dry			
Color Light Medium Dark	)		or & underline modify Brown Black		
Major Constituent Fine Medium Coar	se	(Circle major Gravel Sand	or & underline modify	ring) Clay	W Washington
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt C	Clay	:
Biological:%		Trace %	Oil Sheen: Non	, , ,	%
Comments: Tabris: leaves	twigs				
				Ar	nin\Field Forms\QSC

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QUAL	QUALITATIVE SAMPLE CHARACTERISTICS Page of					
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number		
		7-12-14	Boeing PL2	D-PER 313		
Coordin	nates		Water Depth	Time		
North	lates	East	Depth Unit Rep			
195992	12750		10.3 ft 1	0.2 Grab 9 48		
Penetration  Depth Unit Initials S > Weat		Surficial Wo	ood Estimate: ints	X 5 =%		
Surficial sediment characteristics:						
Biological:%	Debris:	5%	Oil Sheen: None	> Trace (<5%)%		
Moisture Very Wet Wel Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	or & underline modifying Brown Black	g) Other		
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	or & underline modifying			
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	,		
Subsurface sediment characteristics:	17 - 17					
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense		
Silt / Clay - Very Soft	Soft	Medium Sti	f Stiff	Very Stiff Hard		
Moisture Very Wet (Wet) Moist	Damp	Dry				
Color Light Medium Dark	3		or & underline modifyin Brown Black			
Major-Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modifyin			
Minor Constituent with trace Fine Medium Coan	se	Gravel Sand	Silt Cla	у		
Biological:%	Debris:	5 %	Oil Sheen: None	Trace (<5%)%		
Comments: Debns: leaves, two						
	ΔΛ	AEC Droi PD2 D	arimeter			
		MEC Proj. BP2 P	Initials: 6 5 1/2			
			milliais.			
		SC Form	0 410			
	Da	ite: <u> </u>	201‡ Time: 9 98	Amın\Field Forms\QSC		

QUALITATIVE SAMPLE CHARACTERISTICS Page of					
Coordinate Datum	1	Date (mm/dd/yy)	Project Location	Sample Identification Number	
				PER 3/3	
Co.	ordinates	W 12 (10) 3 (1) (1) (1)	Water Depth	Time	
North	Ordinates	East	Depth Unit Rep	Gear	
195994	12750		10.2 ft2	0.2 Grab 1000	
The second secon	Veather (%)	Surficial Woo		X 5 = %	
	nny		<del>2011/01/2011/11/11/20</del> 7	×5/0	
Surficial sediment characteristics:					
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)%	
Moisture Very Wet Wet N	loist Damp	Dry			
Color Light Medium D	Dark		& underline modifying) Brown Black	Other	
Major Constituent Fine Medium C	Coarse	(Circle major Gravel Sand	& underline modifying) Silt Clay	MARKET SECTION	
Minor Constituent with trace Eine Medium C	Coarse	Gravel (Sand)	Silt Clay	, h.	
Subsurface sediment characteristic	es:	CHANGE WALL			
Density / Consistency					
Sand / Gravel - Very Lo	ose Loose	Medium Dens	e Dense	Very Dense	
Silt / Clay - Very So	oft Soft)	Medium Stiff	Stiff	Very Stiff Hard	
Moisture Very Wet Wet N	Moist Damp	Dry			
Color Light Medium (	Dark		& underline modifying) Brown Black		
Major Constituent Fine Medium	Coarse	(Circle major Gravel Sand	& underline modifying) Sill Clay		
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	. Silt Clay		
Biological:	% Debris:	Trace %	Oil Sheen: None	Trace (<5%)%	
Comments: Leaves	twice.				
			V		

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Datum	(1	Date mm/dd/yy)	Project Location	Sample Identification Number		
	3-	-12-14 Bo	peing PL2	SD-PER 313		
Coordin	nates		Water Depth	Time		
North	Eas		Depth Unit Rep	Gear		
195991	12750 93	)	9,1 ft3	0.2 Grab )0 1		
Penetration  Depth Unit Initials O  ( 2 c m 2 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1		Surficial Wood Contact Points		X 5 =%		
Biological: 6 %	Debris: Trace	c	il Sheen: None	Trace (<5%) %		
Moisture Very Wet Wet Moist		Эгу				
Color Light Medium Dark	Olive		underline modifyin rown Black	Other		
Major Constituent Fine Medium Coars	se Grav	The second secon	underline modifyin Silt Cla			
Minor Constituent with trace Fine Medium Coar	se Grav	/el Sand	Silt Cla	у		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Dense	e Dense	Very Dense		
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard		
Moisture Very Wet Wet Mois	Damp [	Dry				
Color Light Medium Dark	Oliv		& underline modifyir Brown Black	other		
Major Constituent Fine Medium Coar	se Gra		& underline modifyii Silt Cla			
Minor Constituent with trace Fine Medium Coan	se Gra	vel Sand	Silt Cla	ау		
Biological:%	Debris:	<u>ce_</u> % (	Dil Sheen: None	Trace (<5%)		
Comments: Debrs: laves,	trongs			3		
				Amin\Field Forms\Q		

# SD-PER401-0314

QUA	LITATIVE SA	MPLE CHAP	RACTERISTIC	S	Pa	ge of
Coordinate Datum		Date (mm/dd/yy)	Project Loc		Sample Identific Number	cation
		3-21-14	Boeing PL2	SE	D-PER 491	
Coord	nales		Water De	anth		Time
North	liates	East	Water Depth	Unit Rep	Gear	rime
194404	12761	3 9		f t \	0.2 Grab	913
Penetration  Depth Unit Initials S S S Wea	ther Lines	Surficial Contact	Wood Estimate: Points		X 5 =	%
Surficial sediment characteristics:	,					
Biological: $\sqrt{5/1}$ %	Debris:	%	Oil Sheen:	None	Trace (<5%)	
Moisture  Very Wet Wet Mois	t Damp	Dry				
Color Light Medium Dark		Olive Gray	najor & underline ) Brown	<b>modifying)</b> Black	Other	
Major Constituent Fine Medium Coar	se	Agent Sales and Agent Sales an	n <b>ajor &amp; underline</b> and Silt	modifying) Clay		
Minor Constituent with trace Fine Medium Coan	se	Gravel Sa	and Silt	Clay	<del></del>	
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium	Dense Der	nse	Very Dense	
Silt / Clay - Very Soft	Soft	Medium	Stiff Stif	f	Very Stiff	Hard
Moisture Very Wet Wet Mois	il Damp	Dry				
Color Light Medium Dag		(Circle r Olive <u>Gray</u>	major & underline Brown (	modifying Black	Other	
Major Constituent (Fine) Medium Coa	rse		major & underline and Silt	modifying Clay		
Miner Constituent with trace Fine Medium Coa	rse		and Silt	Clay	F. 8	
Biological:%	Debris: $\leq 6$	<u> </u>	Oil Sheen:	None	Trace (<5%)	<u>&gt;</u> %
Comments:					79 200 Vicentee	
		-	AMEC Proj. BP	2 Perime	ter	W
			SD-PER401-03			
			QSC Form	111111	315. 6 1 )	
						·
			ا <u>ک کا</u>	_/2014 T	ime:2/3	
	- 1172	5 Table 1 Tabl		-		ield Forms\QSC

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Dalum		Date (mm/dd/yy)	Project Location	Sample Identification Number		
		_ v.		SD-PER 401		
Coordin	nates		Water Depth	Time		
North	10(03	East	Depth Unit Rep	ľ		
194406	127614		17,4 ft 2	0.2 Grab 933		
Penetration 0	S	Surficial Wo	od Estimate:			
Penetration  Depth Unit Initials OO Weat	her (%)	Contact Poir				
12 cm GSM patch			5	X 5 =%		
Surficial sediment characteristics:	1					
Biological: 5 %	Debris:	.5%	Oil Sheen: None	Trace (<5%)%		
Moisture Very Wet Wel Moist	Damp	Dry				
Color Light Medium Dark			r & underline modifying Brown Black	g) Other		
Major Constituent Fine Medium Coars	se v	(Circle major Gravel Sand	r & underline modifying			
Minor Constituent with trace  Medium Coars	se	Gravel Sand	(Sill) Clay	у		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense		
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard		
Moisture  Very Wet Wer Moist	Damp	Dry				
Color Light Medium Dark	)		r & underline modifyin Brown Black			
Major Censtituent Fine Medium Coar	se	(Circle majo Gravel Sand	r & underline modifyin Silt Cla			
Minor Constituent with trace (Fine Medium Coan	se	Gravel Sand	Silt Cla	у		
Biological:%	Debris:	<u> </u>	Oil Sheen: None	Trace (<5%)%		
comments: Work types						
Debris, Shell						
		1000-00 TO				

QUALITATIVE SAMPLE CHARACTERISTICS Page of					
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
A CONTRACTOR OF THE CONTRACTOR	e-neurone beatings	3-21-14	Boeing PL2	SD-PER 401	
Coordin	ates	1	Water Depth		me
North		East	Depth Unit Rep	Gear	
194403	127613	35	14.2 f t 3	0.2 Grab 95	2
Penetration  Depth Unit Initials SS Weath	Fines (%)	Surficial Wo	ood Estimate: nts	X 5 =	%
Surficial sediment characteristics:	,				
Biological:%	Debris:	5%	Oil Sheen: None	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark	_	Olive Gray	or & underline modifyin Brown Black	g) Other	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline modifyin Sili Cla		
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Silv Cla	·	
Subsurface sediment characteristics:			The state of the s		
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Bark	)		or & underline modifyin Brown Black		
Major Constituent Fine Medium Coars	se	(Circle major Gravel Sand	or & underline modifyin Silt Cla		110000
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt Cla	у	
Biological:%	Debris:	<u>\$</u> %	Oil Sheen: None	Trace (<5%)	%
Comments: Worm the					
Deliris : shells , w	sol				
				2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
				× × × × × × × × × × × × × × × × × × ×	

# SD-PER402-0314

QUALITATIVE SAMPLE CHARACTERISTICS Page of					
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
		3-21-14	Boeing PL2	SD-PER 407	
Coordin	ates		Water Depth	Time	
North		East	Depth Unit Re	9725	
194 316	12759	94	2.7 ft	0.2 Grab 1023	
Penetration  Depth Unit Initials  C m C m C m  Surficial sediment characteristics:	per ii.e. %	Surficial Wo	od Estimate: nts	%	
Biological:%	Debris:	< 5 %	Oil Sheen: None	Trace (<5%)	
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		(Circle majo Gray	r & underline modifyi Brown Black	ng) Other	
Major Constituent Fine Medium Coars	е	(Circle majo Gravel Sand	r & underline modifyi	ng) ay	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Sin CI		
Subsurface sediment characteristics:					
Density / Consistency			90		
Sand / Gravel - Very Loose	Loose	Medium Der	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stif	Stiff	Very Stiff Hard	
Moisture Very We Wet Moist	Damp	Dry			
Color Light Medium Dark	)		Brown Black		
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline modify Silt C	ing) lay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	, Silv c	lay	
Biological:%	Debris:		Oil Sheen: None	Trace (<5%)	
Bromments: Shrimp Jehrs: Ghell wood		oroj. BP2 Perime R402-0314 Init orm	als: 65 V -		
354 S 2.55 312 W 3 C C C C C C C C C C C C C C C C C C				Amin\Field Forms\QS	

Coordinate Datum  Date   Sample Identification   Number    Solution   Sample Identification   Number   Solution   Solutio	
Coordinate Datum (mm/dd/yy) Project Location Number	
S-21-14 Boeing PL2 SD-PER 4-2	
Coordinates Water Depth Time	
North East Depth Unit Rep Gear	
194314 1275995 21.3 ft 2 0.2 Grab 1038	
Penetration  Depth Unit Initials S Weather S Surficial Wood Estimate:  Contact Points	
16 cm 65 m p A clanly X5 =	_ %
Surficial sediment characteristics:	
Biological:% Debris:% Oil Sheen: None Trace (<5%)	_%
Moisture	
Very Wet Wet Moist Damp Dry	
Color (Circle major & underline modifying)	
Light Medium Dark Olive Gray Brown Black Other	
Major Constituent (Circle major & underline modifying) Fine Medium Coarse Gravel Sand Sill Clay	
Statist Collay	
Miner Constituent with trace Fine Medium Coarse Gravel Sand SIR Clay	
old for Clay	
Subsurface sediment characteristics:	
Density / Consistency	
Sand / Gravel - Very Loose Loose Medium Dense Dense Very Dense	
0:14.101	
Tidio Tidio	
Moisture Very Wet Wet Moist Damp Dry	
Color (Circle major & underline modifying) Light Medium Dark Olive Gray Brown Black Other	
Major Constituent (Circle major & underline modifying)  Fine Medium Coarse Gravel Sand Sill Clay	
Minor Constituent with trace	
Fine Medium Coarse Gravel Sand Sill Clay	
Biological:% Debris:% Oil Sheen: None Trace (<5%)	%
Gomments:	_ ⁷⁰
510: 545imp	_
Valoris' pof	-
Vehrisi leat, wood stems	-
30 M17 1 1820 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_
50 M. 17 1 18AC 1 1950 9 4 8 00 9	-
50 M 17 1 18 A 1 10 500 9 4 8 0 M 3	-

QUALITATIVE SAMPLE CHARACTERISTICS Page of						
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number		
		3-21-14		SD-PER 452		
Coordin	nales					
North	ates	East	Water Depth Depth Unit Re	Time Gear		
194315	12759		20.9 f t 3	0.2 Grab 1 • 53		
Penetration 0		6 47 1111		1		
Depth Unit Initials S Weath	her Euck	Contact Po	ood Estimate: ints	X 5 = %		
Surficial sediment characteristics:	1			900		
Biological:%	Debris:	<i>O</i> %	Oil Sheen: None	Trace (<5%) 0 %		
Moisture  Very Wet Wet Moist	Damp	Dry				
Color						
Light Medium Dark		Gray	or & underline modifyir Brown Black	Other		
Major Constituent Fine Medium Coars	e	(Circle maj Gravel Sand	or & underline modifyir Silt Cla			
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	(Sill) Cla	у		
Subsurface sediment characteristics:  Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense		
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very Stiff Hard		
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark			or & underline modifyir Brown Black	og) Other		
Major Constituent Fine Medium Coars	se	(Circle maj	or & underline modifyir			
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	s Gill Cla	ay		
Biological:%	Debris:	5 %	Oil Sheen: None	Trace (<5%)%		
Comments: plant st	eu s					
	100000					
•						

SD-PER403-0314

QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Page of	
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number	
		3-24-14	Boeing PL2	SD-PER 403	
Coordii	nates		Water Depth	Time	
North		East	Depth Unit		
194310	12760	91	22.7 f t	1 0.2 Grab 1051	
Penetration  Depth Unit Initials S S Weat	her   Eines (%)	Surficial Woo		X 5 =	%
Surficial sediment characteristics:					
Biological:%	Debris:	<u> </u>	Oil Sheen: No	ne	_%
Moisture  Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark			r & underline modi Brown Black	fying) Other	
Major Constituent  Eine Medium Coars	se	(Circle majo Gravel Sand	r & underline modi	fying) Clay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt	Clay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Den	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Har	d d
Moisture Very Wet Wet Mois	t Damp	Dry			
Color Light Medium Dark	)		or & underline mod Brown Black		
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & underline mod Silt	ifying) Clay	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand	Silt	Clay	
Biological: Trace %	Debris:	Trace %	Oil Sheen:	one Trace (<5%)	%
Comments: Belogical, worms		y	AMEC Proj. BP2	Perimeter	
		**	SD-PER403-031	4 Initials: Gin	_
			QSC Form Date: 3	1_J2014 Time: 10 57	- - -

QUA	LITATIVE SA	MPLE CHARACT	ERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3 -4: 111	7.00 0 72 TO 15 C ST	D-PER 453
Coor	dinates		Water Depth	Time
North		East	Depth Unit Rep	Gear
194312	12760	97	228 ft2	0.2 Grab  \ \ \ \ \ \
Penetration  Depth Unit Initials SO We	ather ii. %	Surficial Wood Contact Points		X 5 =%
Surficial sediment characteristics:	)			
Biological:%	Debris:	Tra.Cl % Oi	Sheen: None	) Trace (<5%)%
Moisture Very Wet Wet Moi	st Damp	Dry		
Color Light Medium Dan	k		underline modifying own Black	Other
Major Constituent Fine Medium Coa	arse	(Circle major & Gravel Sand	underline modifying Silt Clay	
Minor Constituent with trace Fine Medium Con	arse	Gravel Sand	Silt Clay	
Subsurface sediment characteristics:			The same of the sa	
Density / Consistency				
Sand / Gravel - Very Loos	e Loose	Medium Dense	Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet Mo	ist Damp	Dry		
Color Light Medium Da	rk		& underline modifying rown Black	
Major Constituent Fine Medium Co	arse	(Circle major & Gravel Sand	underline modifyin	
Minor Constituent with trace Fine Medium Co	arse	Gravel Sand	Silt Clay	у
Biological: Tree %	Debris:	race % o	il Sheen: None	Trace (<5%)%
Comments:				
BIDIOGICAL: WAN	A.M.			
Con Control of Control		300 to appreciate to a second control of		
		3)		· · · · · · · · · · · · · · · · · · ·

QUAL	ITATIVE SA	MPLE CHARA	CTERISTI	CS	Pa	ge of
Coordinate Datum		Date (mm/dd/yy)	Project Lo	ocation	Sample Identific Number	cation
		3-24-14	Boeing PL2	st	D-PER 403	
Coordin	nates		Water [	Depth	T	Time
North		East	Depth	Unit Rep	Gear	
194313	12760	85	55.8	ft3	0.2 Grab	1115
Penetration  Depth Unit Initials S S Weat		Surficial W Contact Po	ood Estimate vints	::	X5 = _	%
Surficial sediment characteristics:						
Biological:%	Debris:	%	Oil Sheen:	None	Trace (<5%)	%
Moisture  Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		(Circle maj Olive Gray	or & underlin	ne modifying Black	) Other	
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	jor & underlin			
Minor Constituent with trace Fine Medium Coars	6e	Gravel Sand	d Silt	Clay	Van. 12.	
Subsurface sediment characteristics:						-12 - 13112 - 1 - 1 - 1 - 1 - 1 - 1
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium De	ense D	ense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium St	iff S	tiff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	. Damp	Dry				
Color Light Medium Dark			ijor & underli Brown		Other	
Major Constituent Fine Medium Coar	se	(Circle ma Gravel San	ajor & underli			
Minor Constituent with trace Fine Medium Coar	se	Gravel Sar	nd Silt	Clay	/	
Biological: Trace %	Debris:	<u> </u>	Oil Sheen:	: None	Trace (<5%)	%
Comments: Biological: Work						

SD-PER404-0314

QUAL	ITATIVE SA	MPLE CHARA	CTERISTIC	S	Pa	age of
Coordinate Datum		Date (mm/dd/yy)	Project Loc		Sample Identifi Number	cation
		3-21-14	Boeing PL2	st	D-PER 404	+
Coordin	nates		Water De	nth		Time
North		East		Unit Rep	Gear	Tillio
194226	12750	143	- 0	f t )	0.2 Grab	1) 11
Penetration  Depth Unit Initials S S Weath  C m 65 m 65 m 9 A C  Surficial sediment characteristics:	Hines (%)	Surficial Wo	od Estimate: nts		X5 = _	%
Biological: 20 %	Debris:	ð%	Oil Sheen:	None	Trace (<5%)	0 %
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark	***		r & underline Bown E	modifying) Black	Other	
Major Constituent Fine Medium Coars	e	(Circle majo Gravel Sand	or & underline	modifying) Clay	) :	
Minor Constituent with trace Fine Medium Coars	е	Gravel Sand	Sil	Clay		
Subsurface sediment characteristics:						
Density / Consistency						
Sand / Gravel - Very Loose	Loose	Medium Der	ise Den	se	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry				
Color Light Medium Dark		Olive Gray	Brown			
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	or & underline Silt	modifying Clay		
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Sill	Clay		
Biological: 5 %	Debris:	<u> </u>	Oil Sheen:	None	Trace (<5%)	_8
SUTSUFFACE BIS: Worm	167 1- Centipe 114- Plans	SD-PER QSC Fo	Proj. BP2 Pe 404-0314 rm	Initials:		
						Amin\Field Forms\QSC

QUAI	ITATIVE SA	AMPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-21-14	Boeing PL2	SD-PER 454
Coordi	notos			
North	lates	East	Water Depth	Time
194225	127	59 47	Depth Unit Rep	0.2 Grab 11 2 6
		J 1 . 1	11400 1111	0.2 Grab 11 00
Penetration	se (%)	Surficial W	ood Estimate:	
		Contact Po	ints	V.5
13 cm GSM Pat	11-12-1			X 5 =%
Surficial sediment characteristics:				
Biological:%	Debris:	< <u>5</u> %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			or & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coars	se .	(Circle maj Gravel Sand	or & underline modifyin	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	d Silt Cla	у
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft	Medium Sti	ff Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark	ĺ		jor & underline modifyin Brown Black	g) Other
Major Constituent Fine Medium Coar	se	(Circle ma	jor & underline modifyin	
Minor Constituent with trace Fine Medium Coar	se	Gravel Sand		
Biological: 5 %	Debris:	< 5 %	Oil Sheen: None	Trace (<5%) %
Comments; Wern tubo				
Dehris Surface: Plant	Hem?			
\$15 Ful, Worly.	(entipela			
Dehris Suly: Plant	Hems			

QUAL	ITATIVE SA	MPLE CHA	RACTERIS	TICS		Pa	age of
Coordinate Datum		Date (mm/dd/yy)	Project	Location		Sample Identifi Number	oversometricany g
		3-21-14	Boeing PL	2	SD	-PER 4 D	4
Coordin	nates		Wate	r Depth			Time
North		East	Depti		Rep	Gear	rime
194227	1275	945	11.5			0.2 Grab	1143
Penetration  Pepth Unit Initials SS > Weat  C m 65 m 95 m 95 c		Surficia Contact	Wood Estima Points	ite:		X5 = _	%
Surficial sediment characteristics:	*						
Biological:%	Debris:	5_%	Oil Sheer	ı: No	ne	Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark	ì	(Circle r Olive Gray	najor & under Brown	line modi Black	fying)	Other	
Major Constituent Fine Medium Coars	se		najor & under and Silt		<b>fying)</b> Clay	(**************************************	
Minor Constituent with trace Fine Medium Coars	le	Gravel S	and Silt		Clay		
Subsurface sediment characteristics:			- 170		11176-1-1000 Services 1		
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Medium	Dense	Dense		Very Dense	
Silt / Clay - Very Soft	Soft	Medium	Stiff	Stiff		Very Stiff	Hard
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark	)	(Circle i	major & under Brown	Black	fying)	Other	
Major Constituent Fine Medium Coars	se		major & under and Sil	The modi	i <b>fying)</b> Clay		
Minor Constituent with trace Fine Medium Coars	se	Ģravel S	and Sil	Ö	Clay	m s	6 <u>4</u> 8 18
Biological:%	Debris:	<u>'&lt;5</u> ,	Oil Shee	n: No	ne	Trace (<5%)	<u> </u>
Comments: Bid , WOLM				177************************************		•••••••••••••••••••••••••••••••••••••••	
surface debris, who	2 stems						
500 60							
July dehris, Prani	+ stem						
			*				

# SD-PER405-0314

		QUAL	ITATIVE SA	MPLE C	HARA	CTE	RISTI	cs		Р	age of
	Coordinat	e Dalum		Dat (mm/d	3000 aug	Р	roject Lo	cation		Sample Identii Number	
				3-24	-14	Boei	ng PL2		SD	-PER 405	5
		Coordin	ates			T	Water D	epth			Time
	North			East			Depth	Unit	Rep	Gear	
1942	-33		12760	,42			23.0	ft	1	0.2 Grab	1134
	Initials S	Snan			ficial Wo		stimate —			X5 =	%
Surficial sedimen	it character										
Biological:	0	%	Debris:	5	%	Oil	Sheen:	No	ne)	Trace (<5%)	%
Moisture Very Wet	Wel	Moist	Damp	Dry							
Color Light	Medium	Dark			rcle majo Gray		underlin wn	e mod Black		Other	
Major Constitu	uent Medium	Coars	е	(Ci Gravel	rcle majo Sand	or & I	underlin Silt	e mod	ifying) Clay		
Minor Constit	uent with to Medium	r <b>ace</b> Coars	e	Gravel	Sand	a var	Silt		Clay	20000	
Subsurface sedir	ment chara	cteristics:								7	
Density / Con	sistency										
Sand / G	Gravel -	Very Loose	Loose	Ме	dium Der	nse	D	ense "	•	Very Dense	
	/ Clay -	Very Soft	Soft	Me	dium Stif	f	S	tiff		Very Stiff	Hard
Moisture Very Wet	Wel	Moist	Damp	Dry							
Color Light	Medium	Dark		Olive (Ci	Gray	or & Bro	underlir own	ne mod Black	difying <	Other	
Major Constit Eine	tuent Medium	Coars	se	(C Gravel	ircle maj Sand		underlit Silt	ne mod	difying Clay		
Minor Constit	tuent with t Medium	race Coar	se	Gravel	Sand		Silt		Clay		
Biological: _	Trai	<u>e</u> %	Debris:	recei	%	Oil	Sheen:	€	lone	Trace (<5%	)%
Comments:		.79									
Deboal	i leav	4.					AN	1EC D			<del></del>
-							- SD	DED 4	roj. Bi	P2 Perimet	
								Forn	05-03 n	14 Initial	s: 65 m
				mercantes n						/20	ma. 1174
						9.8%	W.CVI.4435		/	12014 Tir	1174

	QUALITATIVE SA	MPLE CHARAC	CTERISTICS	Page of
Coordinate Date	tum	Date (mm/dd/yy)	Project Location	Sample Identification Number
		7-24-14	Boeing PL2 SI	D-PER 4 9 5
	Coordinates	## The state of th	Water Depth	Time
North		East	Depth Unit Rep	Gear
194234	1276	051	23.3 ft2	0.2 Grab 1147
	Weather Les (%)	Surficial Wor		X 5 =%
Surficial sediment characteristics	s:		83.20	N
Biological:	% Debris:	<u> </u>	Oil Sheen: None	Trace (<5%)%
Moisture Very Wel Wet	Moist Damp	Dry		
Color Light Medium	Dark		r & underline modifying Brown Black	Other
Major Constituent Fine Medium	Coarse	(Circle majo Gravel Sand	r & underline modifying Silt Clay	
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	Silt Clay	
Subsurface sediment characteris	stics:			
Density / Consistency				
Sand / Gravel - Very	Loose Loose	Medium Den	se Dense	Very Dense
Silt / Clay - Very	Soft Soft	Medium Stiff	Stiff	Very Stiff Hard
Moisture Very Wet Wet	Moist Damp	Dry		
Color Light Medium	Dark	(Circle majo	or & underline modifying Brown Black	Other
Major Constituent Fine Medium	Coarse	(Circle majo Gravel Sand	or & underline modifying	· ·
Minor Constituent with trace Fine Medium	Coarse	Gravel Sand	Silt Clay	-
Biological:	% Debris:	<u> </u>	Oil Sheen: None	Trace (<5%)%
Comments:	2MV			
		water the second second		
	***			
			- <del> </del>	

QUAL	ITATIVE SA	MPLE CHARAC	CTERISTICS	Pag	e of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identifica Number	ation
		2-24-14	Boeing PL2	SD-PER 405	
Coordi	nates		Water Depth	T	Time
North	100 100 100 100 100 100 100 100 100 100	East	Depth Unit F	Rep Gear	
194236	12760	46	33.6 ft	3 0.2 Grab	1159
Penetration  Depth Unit Initials   Surficial sediment characteristics:		Surficial Wo Contact Poi	od Estimate: nts	X 5 =	%
Biological:%	Debris:	race %	Oil Sheen: Non	e Trace (<5%)	%
Moisture  Very Wet Wet Moist  Color		Dry			
Light Medium Dark			r & underline modify Brown Black	Other	
Major Constituent Fine Medium Coars	se	(Circle majo Gravel Sand	sr & underline modify	<b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coar	6 <b>e</b>	Gravel Sand	Sill	Clay	
Subsurface sediment characteristics:  Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Der	ise Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture  Very Wet WeD Mois	Damp	Dry			
Color Light Medium Dark	1		or & underline modif Brown Black		
Major Constituent Fine Medium Coar	se	(Circle majo Gravel Sand	or & underline modif	' <b>ying)</b> Clay	
Minor Constituent with trace Fine Medium Coal	se	Gravel Sand	Silt	Clay	
Biological: Trace %	7	Trace %	Oil Sheen: Nor	ne Trace (<5%)	%
Comments:  Biologia : worws  Cubrid: Clam shol	s, leave	*			

# SD-PER406-0314

	HIN LL CHAILA	CTERISTICS	Page of
Coordinate Datum	Date (mm/dd/yy)	Project Location	Sample Identification Number
Obs. Giriate Datain	3-24-14	Boeing PL2	SD-PER 496
Coordinates		T	
North	East	Water Depth Depth Unit F	Rep Gear Time
194232 127614		22.0 f t	1 0.2 Grab 124 %
Penetration D v	C		
Penetration  Depth Unit Initials (%)  Depth Unit Initials (%)  Depth Unit Initials (%)	Contact Po	ood Estimate:	
110 cm 65% sunny	Jonade, J		X 5 =%
Surficial sediment characteristics:			
Biological: % Debris:	5%	Oil Sheen: Non	e Trace (<5%)%
Moisture  Very Wet Wet Moist Damp	Dry		
Color	(Circle mai	or & underline modif	vina)
Light Medium Dark	Olive Gray		Other
Major Constituent Fine Medium Coarse	(Circle maj Gravel Sand	or & underline modif	ying) Clay
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	d Silt (	Clay
2007/2 10/200 50/700012001			
Subsurface sediment characteristics:			
Density / Consistency			
Sand / Gravel - Very Loose Loose	Medium De	ense Dense	Very Dense
Silt / Clay - Very Soft Soft	Medium Sti	iff Stiff	Very Stiff Hard
Moisture  Very Wet Wet Moist Damp	Dry	*	
Color Light Medium Dark	(Circle ma	jor & underline modif Brown Black	fying) Other
Major Constituent Fine Medium Coarse	(Circle ma Gravel San	jor & underline modif d Silt	fying) Clay
Minor Constituent with trace Fine Medium Coarse	Gravel San	d Silt	Clay
Biological: Trace % Debris: Tr	ace %	Oil Sheen: No	ne Trace (<5%) %
Comments: Bological: Shrimp, work			
Delins twigs shells			
		SD-PER406-	372 Perimeter
		QSC Form  Date: 3	12014 Time: 12 y 8
<b>AMEC</b> , 3500 188th St. SW,	Suite 601, Lynnwo	ood, \	o) 921-4000

QUAL	ITATIVE SA	MPLE CHARAC	TERISTICS	F	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identi Numbe	The state of the s
position of the state of the st		3-24-14	Boeing PL2	SD-PER 4 9	6
Coordin	nates		Water Depth		Time
North		East	Depth Unit	Rep Gear	1
194236	1276	141	19,9 ft	2 0.2 Grab	1302
Penetration  Depth Unit Initials SO Weat  C m 43 m 3 mm		Surficial Woo Contact Poin		X 5 =	%
Surficial sediment characteristics:					
Biological:%	Debris:	race %	Oil Sheen: No	ne Trace (<5%)	%
Moisture Very Wet Wet Moist	Damp	Dry			
Color Light Medium Dark		Olive Gray	& underline modi Brown Black	fying) Other	
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	& underline modi	<b>fying)</b> Clay	
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	Silt	Clay	
Subsurface sediment characteristics:					
Density / Consistency					
Sand / Gravel - Very Loose	Loose	Medium Dens	se Dense	Very Dense	
Silt / Clay - Very Soft	Soft	Medium Stiff	Stiff	Very Stiff	Hard
Moisture  Very Wet Wet Moist	Damp	Dry			-
Color Light Medium Dark			r <b>&amp; underline mod</b> i Brown Black		•
Major Constituent Fine Medium Coar	se	(Circle major Gravel Sand	r & underline mod	i <b>fying)</b> Clay	
Minor Constituent with trace Eine Medium Coar	se	Gravel Sand	Silt	Clay	
Biological: Trace %	Debris:	ace %	Oil Sheen:	one Trace (<5%)	)%
Comments:  Brological: Worm  Debost grass, two	5				
				•	
AMEG 2500	4001-04-014-6	CONTRACTOR OF THE STATE OF THE			Amin\Field Forms\QSC

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS	Page of
Coordinate Datum		Date (mm/dd/yy)	Project Location	Sample Identification Number
		3-24-14	Boeing PL2	SD-PER 496
Coordin	ales		Water Depth	Time
North		East	Depth Unit Re	p Gear
194235	127615	50	19.4 11 3	0.2 Grab   1315
Penetration  Depth Unit Initials S S Weath	Hines (%)	Surficial Wo	ood Estimate: ints	X 5 =%
Surficial sediment characteristics:				
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)%
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark			Brown Black	ng) Other
Major Constituent Fine Medium Coars	e	(Circle maje Gravel Sand	or & underline modifying Silt Cla	
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt Cl	ау
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense	Very Dense
Silt / Clay - Very Soft	Soft 3	Medium Stif	f Stiff	Very Stiff Hard
Moisture Very Wet Wet Moist	Damp	Dry		
Color Light Medium Dark		(Circle maj	or & underline modifyi Brown Black	ng) Other
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline modifyi	<b>ng)</b> ay
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	f Silt Cl	ay
Biological:%		mec_%	Oil Sheen: None	Trace (<5%)%
Comments: Biological: Worm			· a	
Debnik: twigs			ζ	
				A DESCRIPTION OF THE PROPERTY
				Amin\Fleld Forms\QSC

### SD-PER426-0314

QUALITATIVE SAMPLE CHARACTERISTICS Page of								
Coordinate Dalum		Date (mm/dd/yy)	Project Location	Sample Identification Number				
		4-26-14	Boeing PL2	SD-PER 426				
Coordina	iles		Water Depth	Time				
North		East	Depth Unit Re	ep Gear				
194226	12761	42	21,0 ft 1	0.2 Grab 1329				
Penetration  Depth Unit Initials S S Weath		Surficial Wo	ood Estimate: nts	_ X 5 =%				
Surficial sediment characteristics:	0.40							
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)%				
<b>Moisture</b> Very Wet Wel Moist	Damp	Dry						
Color Light Medium Dark			Brown Black	ng) Other				
Major Constituent Fine Medium Coarse	9 <u>8</u> 2	(Circle majo Gravel Sand	or & underline modifyi	ng) lay				
Minor Constituent with trace Medium Coarse	)	Gravel Sand	Silt C	lay				
Subsurface sediment characteristics:	A STATE OF THE STA							
Density / Consistency								
Sand / Gravel - Very Loose	Loose	Medium Der	nse Dense	Very Dense				
Silt / Clay - Very Soft	Soft	Medium Stif	f Stiff	Very Stiff Hard				
Moisture  Very Wet Wet Moist	Damp	Dry						
Color Light Medium Dark	r		or & underline modify Brown Black	ing) Other				
Major Constituent Fine Medium Coarse	е	(Circle maj Gravel Sand	or & underline modify	ing) lay				
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt C	ilay				
Biological:%	Debris:	race %	Oil Sheen: None	Trace (<5%)%				
Comments: Riological: worms nebrish twigs	5	QSC Form	P2 Perimeter 314 Initials: 63 \( \)					

QUALITATIV	E SAMPLE CHARA	CTERISTICS	Page of	
Coordinate Datum	Date (mm/dd/yy)	Project Location	Sample Identification Number	
	Boeing PL2	SD-PER 426		
Coordinates	510.70 S.1. SA	Water Depth	Time	
North	East	Depth Unit Rep	1 1	
1942 32 12	76147	18.5 ft 2	0.2 Grab /34)	
Penetration  Depth Unit Initials S  Weather II  Surficial sediment characteristics:	Surficial Wo	ood Estimate: nts	X 5 =%	
Biological: % Debris:	Trace %	Oil Sheen: None	Trace (<5%) %	
Moisture	amp Dry			
Color Light Medjum Dark		Brown Black	g) Other	
Major Constituent Fine Medium Coarse	(Circle majo Gravel Sand	or & underline modifyin Silt Cla		
Minor Constituent with trace Fine Medium Coarse	Gravel Sand	Silt Cla	у	
Subsurface sediment characteristics:				
Density / Consistency				
Sand / Gravel - Very Loose Lo	pose Medium Der	nse Dense	Very Dense	
Silt / Clay - Very Soft S	oft Medium Stif	f Stiff	Very Stiff Hard	
Moisture  Very Wet Wet Moist D	amp Dry			
Color Light Medium Dark		or & underline modifyin Brown Black		
Major Constituent Fine Medium Coarse	(Circle maj Gravel Sand	or & underline modifyin	=-	
Minor Constituent with trace		-		
Biological: Trace % Debris:	Gravel Sand	Silt Cla	Y	
			• • • • • • • • • • • • • • • • • • • •	
De brist twigs				
1				
4				
AMEG 2502 10011 St	SW Suite 601 Luppus	od MA 09027 (A25)	Amin\Field Forms\QSC	

QUAL	ITATIVE SA	MPLE CHARA	CTERISTICS		Pa	ge of	
Coordinate Datum		Date (mm/dd/yy)	Project Location		Sample Identification Number		
4-26-14 Boeing PL2 SD-PER 426							
Coordin	ales		Water Depth	1		Time	
North		East		it Rep	Gear		
194228	1276			t 3	0.2 Grab	1349	
Penetration  Depth Unit Initials S S Weath		Surficial Wo	ood Estimate: ints		X5 = _	%	
Surficial sediment characteristics:  Biological:%	Debris:	tact %	Oil Sheen:	None	Trace (<5%)	%	
Moisture Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark			Brown Bla	The state of the s	Other		
Major Constituent Fine Medium Coars	e	(Circle major Gravel Sand	or & underline mo	odifying) Clay			
Minor Constituent with trace Fine Medium Coars	e	Gravel Sand	Silt	Clay	***************************************		
Subsurface sediment characteristics:							
Density / Consistency							
Sand / Gravel - Very Loose	Loose	Medium De	nse Dense		Very Dense		
Silt / Clay - Very Soft	(Soft)	Medium Stif			Very Stiff	Hard	
Moisture  Very Wet Wet Moist	Damp	Dry					
Color Light Medium Dark	)		or & underline m Brown Bla				
Major Constituent Fine Medium Coars	se	(Circle maj Gravel Sand	or & underline m	odifying) Clay			
Minor Constituent with trace Fine Medium Coars	se	Gravel Sand	l Silt	Clay			
Biological: Trace %	Debris:	<u> </u>	Oil Sheen:	None	Trace (<5%)	%	
Comments: Brological: clams, Debond: Shells, twi	ys mes						
						100 100 100 100 100 100 100 100 100 100	
2	1						
						Amin\Field Forms\QSC	

# GRAB SAMPLE CHAIN OF CUSTODY FORMS

**MARCH 2014** 

3500 188th St. SW, Suite 601 Lynnwood,WA 98037 (425) / AAAE

#### **CHAIN OF CUSTODY**

COC Number		An	alysis Contain	ers	
COC Number 050		SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)	Archive		Recorded by:
AMEC Proj. BP2 Perimeter	Date:				Number of containers
SD-PER305-0314 Initials: <u>-5</u>	Time:				\
COC Form  Date: 3 / 11 /2012 Time: \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					- T
AMEC Proj. BP2 Perimeter	Date:				Number of containers
SD-PER306-0314 Initials: 6 5 TO	Time:	***************************************		* *	
Date:	Dale:				Number of containers
SD-PER327-0314 Initials: 65 >>> COC Form	ime:	)			
Date: 2 / /2012 Time: 13 15 AMEC Proj. BP2 Perimeter	Jate:				Number of containers
SD-PER307-0314 Initials:	Time:	The second second			p.a.l.dimen
Date: 3 / 1 /2012 Time: 39 30	Date:				Number of containers
AMEC, 'roj. BP2 Perimeter	Date.				Number of containers
SD-PER308-0314 Initials:	ime:	)			
Date: 3 / 1) /2012 Time: 15 4 4	ate:				Number of containers
Place Sample tD Label Here or Write ID Number Here					
	Time:				
Place Sample ID Label Here or Write ID Number Here	Dale:				Number of containers
Laboratory Sample Receipt		Relin	quished By	IName	Received By
ARI Project Manager—Kelly Bottem AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com ph 425-921-4023) AMEC Laboratory Coordinator—Crystal Neirby (crystal.neirby@amec.com ph. 206-838-8469)			12.17	Date:	3/12/14
Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis		Time:	1652	Time:	1652 AdminiField Forms\COC

3500 188th St. SW, Suite 601 Lynnwood,WA 98037 (425) 921-4000

### CHAIN OF CUSTODY

			alysis Contain	ers	
AMEC Proj. BP2 Perimeter COC Number 051		SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)	Archive		Recorded by:
AMEC Proj. BP2 Perimeter	Date:				Number of containers
SD-PER312-0314 Initials: 65 PM					
COC Form	Time:	P.			)
Date: 3/_13/201½Time:858	Date:				Necks
AMEC Proj. BP2 Perimeter	Date.				Number of containers
SD-PER313-0314 Initials:	Time:	1		9	1
COC Form					
Date:	Date:				Number of containers
AMEC Proj. BP2 Perimeter					
SD-PER101-0314 Initials:	Time:	)			)
COC Form					
Date:	Date:				Number of containers
AMEC Proj. BP2 Perimeter					
SD-PER103-0314 Initials:	Time:	\			4
COC Form					
AMEC Proj. BP2 Perimeter	Dale:				Number of containers
SD-PER104-0314 Initials: 6 3 1	fime:	)			
COC Form		5		8 -	) in the second
Date://2014 Time:/ 3 0	Date:				Number of containers
AMEC Proj. BP2 Perimeter					
SD-PER310-0314 Initials:	ime:		9		1
COC Form					
Date:/_ /2012 Time: AMEC Proj. BP2 Perimeter	Pate:	1			Number of conlainers
SD-PER311-0314 Initials:	me:	1			
COC Form					
Date://201¼-Time:			10		D1D
ARI Project Manager—Kelly Bottem AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com.ph		Name:	quished By	Name:	Received By
425-921-4023) AMEC Laboratory Coordinator—Crystal Neirby (crystal.neirby@amec.com_ph. 206-838-8469)		Date: 3	-12-14	Date:	3/12/14
Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis.	AND THE PERSON NAMED IN COLUMN 1	Time:	1652	Time:	Admin\Field Forms\COC

3500 188th St. SW, Suite 601 Lynnwood,WA 98037 (425) 921-4000

Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis.

#### **CHAIN OF CUSTODY**

AMEC Proj. BP2 Perimeter	*		alysis Contain	ers	
COC Number 052		s (As, Cd, , Hg, Ag, Zn) Aroclor)			Recorded by:
		SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Z TOC, and PCBs (by Aroclor)	Archive		Checked by:
AMEC Proj. BP2 Perimeter	Dale:				Number of containers
SD-PER303-0314 Initials: 6574	- 100 100 100 100 100 100 100 100 100 100		2 1 3 3 4 5 5		
COC Form	Time:	1			)
Date: 3 / 2014 Time: 65	0_				
AMEC Proj. BP2 Perimeter	Date				Number of containers
SD-PER302-0314 Initials: 65	74				1
	Time:				91
COC Form  Date:					
	Date:			VIII.	Number of containers
AMEC Proj. BP2 Perimeter	,	l l			
SD-PER106-0314 Initials:	Time:	)			)
COC Form  Da.: 3 /3 /2014 Time: 11	<b>~</b> 4				
	Date:				Number of containers
AMEC Proj. BP2 Ferimeter	_	1			,
SD-PER126-0314 Initials:	Time:	1			1
COC Form	244				
Date: > / 3 /2014 Time: AMEC Proj. BP2 Perimeter	Date:				Number of containers
SD-PER102-0314 Initials:		1			\
COC Form	Γime:				
Date: 3 / 2014 Time:	329				
AMEC Proj. BP2 Perimeter	Jate:				Number of containers
SD-PER105-0314 Initials:	5 2				
	ime:	7 /			1
COC Form  Date: 3 / 2014 Time:	413				
	Jate:				Number of containers
Place Sample ID Label Here or Write ID Number Here					
	Time:				
Laboratory Sample Rece	eipt		quished By	INI	Received By
ARI Project Manager—Kelly Bottern AMEC Project Manager—Cliff Whitmus (cliff.whitmus@ame	ec.com ph	Name:	103 Jef	Her Tal	Taylor 5 treeter
425-921-4023) AMEC Laboratory Coordinator—Crystal Neirby		Date:		Date:	3.54-14
(crystal.neirby@amec.com_ph_206-838-8469)	a thoroughly	3/U	4/14	Time:	2./ [ ] [

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Admin\Field Forms\COC

162-6

Lynnwood,WA 98037 (425) 921-4000				*	
AMEC Proj. BP2 Perimeter	1	C	alysis Contain	ers	
COC Number 059		, Cd, Ag, Z			Recorded by:
COC Nulliber 039		SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)			
200 200 200		Metal J, Pb, and s (by	e >		Checked by:
		SMS I	Archive		
AMEC Proj. BP2 Perimeter	Date:	0000			Number of containers
SD-PER -01-0314 Initials: 65 M		60 100			
COC Form	Time:	1			- Andrews
Date: 3//2014 Time:9					g.
AMEC Proj. BP2 Perimeter	Date:				Number of containers
SD-PER203-0314 Initials:					
1 Table 1	Time:	/			\
COC Form Date: 3 /14 /2014 Time: 100 8					1
Date: AMEC Proj. BP2 Perimeter	Date:				Number of containers
			•		
SD-PER206-0314 Initials:	Time:				)
		,			
Date: 3 / 1/4 /2014 Time: AMEC Proj. BP2 Perimeter	'ate:				Number of containers
SD-PER209-0314 Initials:					real tiber of containers
COC Form	ime:	A			de la companya de la
Date:	mile.	1			į.
AMEC Proj. BP2 Perimeter	Date:				Number of parts
SD-PER201-0314 Initials:					Number of containers
COC Form	Time:	\			\
Date://2014 Time:/ 7 0 6	Time.				· ·
AMEC Proj. BP2 Perimeter	Date:				Number of containers
SD-PER202-0314 Initials:		\			\
COC Form	Time:	*			}
Date:					6
	Date:				Number of containers
Place Sample ID Label Here or Write ID Number Here					
	Time:				
		100			
Laboratory Sample Receipt			quished By	Transported By	Received By
ARI Project Manager—Kelly Bottem  AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com.ph			sea Jettens		Name. Tayle street -
AMEC Laboratory Coordinator—Crystal Neirby		Name:	(p)		Time: /6.2.6 Name.
(crystal neirby@amec com_ph. 206-838-8469)		Date: Time:			Date: Time:
Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis.		Name: Date:		7283	Name: Date:
		Time:			Time:

Admin\Field Forms\COC

3500 188th St. SW, Suite 601 Lynnwood,WA 98037 (425) 921-4000

Sediment samples are unhomogenized. Samples must be thoroughly homogenized before analysis.

#### **CHAIN OF CUSTODY**

(420) 321 43000		Ana	alysis Contain	ers	
AMIC Proj. BP2 Perimeter		d, Zn)			
COC Number 060		s, Co , Ag,			Recorded by: 6514
		als (A			Checked by:
		Meta u, Pt , and s (b)	ΑΘ.		Ovicance by.
		SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)	Archive		
AMEC Proj. BP2 Perimeter	Dale:	00 0 1 11	7		Number of containers
SD-PER304-0314 Initials:		,			
COCE	Time:	١			To the state of th
Date:					
AMEC Proj. BP2 Perimeter	Dale:				Number of containers
SD-P: R204-0314 Initials: 650					
COC Form	Γime:	,		<u>0</u>	
Date: 3 / 7 /2014 Time: 10/5					
An analysis and a second secon	Jale:				Number of containers
AMEC Proj. BP2 Perimeter					
SD-PER205-0314 Initials:	Time:	)			X V
COC Form					2 <b>00</b> 0
Date	Dale:				Number of containers
AMEC Proj. BP2 Perimeter					,
SD-PER207-0314 Initials: 650	Time:	)			
COC Form				la de la companya de	
AMEC Proj. BP2 Perimeter	Dale:				Number of containers
SD-PER208-0314 Initials:					1
COC Form	Time:				
Date://2014 Time:/ ~ ?					
AMEC Proj. BP2 Perimeter	Date:			, A. D. D	Number of containers
SD-PER211-0314 Initials: 63 m		<b>\</b>			
COC Form	Time:	,			<i>S</i> ,
Date: 3 / 7 /2014 Time: /5 ○ ≤					
	Date:				Number of containers
Place Sample ID Label Here or Write ID Number Here				ĺ	
	Time:				
Laboratory Sample Receipt		Relin	quished By		Received By
ARI Project Manager—Kelly Bottem		Name:	C 11	Name	: 1. Ctorester
AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com ph 425-921-4023)		Date:	er bellein	Date:	Tayle Greete
AMEC Laboratory Coordinator—Crystal Neirby (crystal neirby@amec.com_ph. 206-838-8469)		3/17	114	411 400-2	3.17-10
		Time:	^	Time:	

Admin\Field Forms\COC

1710

Lynnwood,WA 98037 (425) 921-4000					
A.NIEC Proj. BP2 Perimeter  COC Number 061	,	SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)	Archive	S	Recorded by
AMEC Proj. BP2 Perimeter  SD-PER401-0314 Initials: <a href="mailto:specific">5-17</a> COC Form  Date: <a href="mailto:specific">31/2,014 Time: 910</a>	Dale ⁻ Time:				Number of containers
SD-PER402-0314 Initials: 65 COC Form  Date: 3 /- /2014 Time: 923	Date: Time:	)			Number of containers
AMEC Proj. BP2 Perimeter  SD-PER404-0314 Initials: 6500  COC Form  Date:/2014 Time:/2014	Date:	)			Number of containers
AMEC Proj. BP2 Perimeter  SD-PER309-0314 Initials: 5 COC Form  Date: 2014 Time: 2	Dale: Time:	\	7.		Number of containers
AMEC Proj. BP2 Perimeter  SD-PER210-0314 Initials: 6 3 COC Form  Date: - /2 /2014 Time: - / 7 7 0	Dale: Time:	)			Number of containers
Date:	Toate:				Number of containers
Place Sample ID Label Here or Write ID Number Here	Jale: Time:				Number of containers

Laboratory Sample Receipt	
ARI Project Manager—Kelly Bottem	
AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com.ph	
425-921-4023)	
AMEC Laboratory Coordinator—Crystal Neirby	
(crystal.neirby@amec.com_ph_206-838-8469)	
Sedment samples are unhomogenized Samples must be thoroughly homogenized before analysis.	

Relinquished By	Transported By	, Received By
Name 721/27777775 Date 3/2/2014 Time 1715		Name Jenn (50) (1) / 50) Date 5/21/111 Time 17/15
Name		Name.
Date:		Date
Time	EUROTO KIROLE - KRANTON	Time:
Name		Name:
Dale*		Date'
Time		Time:

## **AWEL** 3500 188th St. SW, Suite 601 Lynnwood,WA 98037 (425) 921-4000

#### **CHAIN OF CUSTODY**

		An	alysis Containe	ers	
AMEC Proj. BP2 Perimeter COC Number 062	0	SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Zn) TOC, and PCBs (by Aroclor)			Recorded by: 6317
COC Number 00-		stals (Ar Pb, Hg, nd by Aro			Checked by:
	4	SMS Metals (As, Cd, Cr, Cu, Pb, Hg, Ag, Z TOC, and PCBs (by Aroclor)	Archive		
AMEC Proj. BP2 Perimeter	Date:	0,014			Number of containers
SD-PER212-0314 Initials: SN					
SD-FEREZZ	Time:	١			)
COC Form 2 / 24 /2014 Time: 846					
AMEC Proj. BPZ Perimeter	Date:				Number of containers
SD-PER213-0314 Initials: 6 S 📉					
COC Form	Time:	)			X s
Date: 3 /24 /2014 Time: 9 3 3					
. AMEC Proj. BP2 Perimeter	Date:				Number of containers
SD-PER403-0314 Initials: 65 m		1			
COC Forin	Time:	1			
Date: 3 /24 /2014 Time: 1051					·
AMEC Proj. BP2 Perimeter	Dale:				Number of containers
SD-PER405-0314 Initials: SY					,
COC Form	Time:	1 )			1
Date: 3 /24 /2014 Time: 1/34					
AMEC Proj. BP2 Perimeter	Date:				Number of containers
SD-PER406-0314 Initials: <u>63 万</u>		l v			
COC Form	ime:	1 '			)
Date: 3 / 24 /2014 Time: 1248					
Afv.EC Proj. BP2 Perimeter	Jale:				Number of containers
SD-PER426-0314 Initials: 631		)			1
COC Form	ime:				
Date: 3 / 24 /2014 Time: 13 29					
A 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	Jate:				Number of containers
Place Sample ID Label Here or Write ID Number Here					
	Time:	]			
Laboratory Sample Receipt		Relin	iquished By	Transported By	
ARI Project Manager—Kelly Bottem  AMEC Project Manager—Cliff Whitmus (cliff.whitmus@amec.com.ph		Date 3/.	24/2014		Name Drivi VV // (1504 - Date 3/20/10)
425-921-4023) AMEC Laboratory Coordinator—Crystal Neirby (crystal neirby@amec com_ph. 206-838-8469)		Name Date			Name Date
Sediment samples are unhomogenized. Samples must be thoroughly	,	Time Name	-		Time Name
homogenized before analysis		Date* Time			Date Time  Admin\Field Forms\COC
					AGRITATION FORMS COC

# GPS CHECK FORMS

**MARCH 2014** 

Date: $3 - 11 - 19$		
Project: Perimetor Monitoring	_	Recorder: ST
lated Location of Reference Station		
	Coordinate Datum:	WA State Plane, NAD 8
	Zone:	North Zone <58596
eference Station Name: Check Point 1	Northing _	196376
	Easting _	1274699
	Units of Measure:	Survey Feet
nce Station Description: Piling at downstrean		
of the channel side dock.		
of the channel side dock.  Start of Day		
	Northing	196375
Start of Day		196375
Start of Day Time: <u></u> ノってら		
Start of Day  Time:		
Start of Day  Time: 1026  Coordinate Datum Setup Confirmed: 7	Easting	
Start of Day  Time: 1026  Coordinate Datum Setup Confirmed: 7	Easting	127499

Project: Perimeter Monitoring	Recorder:
Iculated Location of Reference Station	
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing 196376
	Easting 1274699
	Units of Measure: Survey Feet
ference Station Description: Piling at downstream	end of the South Park Marina at the
end of the channel side dock.	#
Start of Day	40 A
Start of Day . Time: _ & サム	Northing 196376
Start of Day	Northing 196376
Start of Day  Time: <u>《サン</u> Coordinate Datum Setup Confirmed:	Northing 196376
Start of Day  Time: <u>《サン</u> Coordinate Datum Setup Confirmed:	Northing 196376
Start of Day Time: <u>メサン</u> Coordinate Datum Setup Confirmed:	Northing 196376  Easting 127 499
Start of Day  Time: (8 7 2)  Coordinate Datum Setup Confirmed:  Comments:  End of Day	Northing 196376  Easting 127 499  Northing 196277
Start of Day  Time: 874  Coordinate Datum Setup Confirmed:  Comments:  End of Day  Time: 1623	Northing 196376  Easting 127499  Northing 196277  Easting 127479)

Date: 3 13 17	
Project: Booing Parimeter M	Recorder: 6: 1
Calculated Location of Reference Station	
Calculated Location of Reference Station	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
	*******
Reference Station Name: Check Point 1	Northing 196376
	Easting 1274699
	Units of Measure: Survey Feet
Reference Station Description: Piling at downstrea	m end of the South Park Marina at the
end of the channel side dock.	
Start of Day	
Time: 840	Northing
Coordinate Datum Setup Confirmed:	Easting 12747 5 \
Comments:	
End of Day	
Time: 153	8 Northing 196376
Coordinate Datum Setup Confirmed:	Easting 127 47 0 (
· · · · · · · · · · · · · · · · · · ·	et e e e e e e e e e e e e e e e e e e
Comments:	

Coordinate Datum: WA State Plane, NAD 83  Zone: North Zone  Reference Station Name: Check Point 1 Northing 196376  Easting 1274699  Units of Measure: Survey Feet  erence Station Description: Piling at downstream end of the South Park Marina at the		
Project: Period Name: Mandarian Recorder: Station  Coordinate Datum: WA State Plane, NAD 83  Zone: North Zone  Reference Station Name: Check Point 1 Northing 196376  Easting 1274699  Units of Measure: Survey Feet  Perence Station Description: Piling at downstream end of the South Park Marina at the end of the channel side dock.  Start of Day  Time: 850 Northing 196377  Coordinate Datum Setup Confirmed: Easting 127470   Easting 127470   Comments: Easting 127470   Easting 196373	Date: 3 - 14 - 14	
Coordinate Datum: WA State Plane, NAD 83  Zone: North Zone  Reference Station Name: Check Point 1 Northing 196376  Easting 1274699  Units of Measure: Survey Feet  Perence Station Description: Piling at downstream end of the South Park Marina at the end of the channel side dock.  Start of Day  Time: 850 Northing 196377  Coordinate Datum Setup Confirmed: Easting 127 470  Comments:  End of Day  Time: 15 48 Northing 196373  Coordinate Datum Setup Confirmed: Easting 127 470		Recorder:
Reference Station Name: Check Point 1 Northing 196376  Easting 1274699  Units of Measure: Survey Feet  erence Station Description: Piling at downstream end of the South Park Marina at the end of the channel side dock.  Start of Day  Time: 850 Northing 196377  Coordinate Datum Setup Confirmed: Easting 127 4701  End of Day  Time: 1548 Northing 196373  Coordinate Datum Setup Confirmed: Easting 127 4701	Iculated Location of Reference Station	
Reference Station Name: Check Point 1 Northing 196376  Easting 1274699  Units of Measure: Survey Feet  Perence Station Description: Piling at downstream end of the South Park Marina at the end of the channel side dock.  Start of Day  Time: 850 Northing 196377  Coordinate Datum Setup Confirmed: Easting 127470  End of Day  Time: 1548 Northing 196373  Coordinate Datum Setup Confirmed: Easting 127470		Coordinate Datum: WA State Plane, NAD 83
Units of Measure: Survey Feet  Serence Station Description: Piling at downstream end of the South Park Marina at the end of the channel side dock.  Start of Day  Time: 850 Northing 1963-77  Coordinate Datum Setup Confirmed: Easting 127 4701  End of Day  Time: 15 48 Northing 1963 73  Coordinate Datum Setup Confirmed: Easting 127 4701		Zone: North Zone
Units of Measure: Survey Feet  ference Station Description: Piling at downstream end of the South Park Marina at the end of the channel side dock.  Start of Day  Time: 850 Northing 1963-77  Coordinate Datum Setup Confirmed: Easting 127 4701  End of Day  Time: 1548 Northing 196373  Coordinate Datum Setup Confirmed: Easting 127 4701	Reference Station Name: Check Point 1	Northing 196376
erence Station Description: Piling at downstream end of the South Park Marina at the end of the channel side dock.  Start of Day  Time: 850 Northing 196377  Coordinate Datum Setup Confirmed: Description: Easting 127 4701  End of Day  Time: 1548 Northing 196373  Coordinate Datum Setup Confirmed: Description: Easting 127 4701		Easting 1274699
Start of Day  Time: 850 Northing 1963-77  Coordinate Datum Setup Confirmed: Easting 127 4701  End of Day  Time: 1548 Northing 196373  Coordinate Datum Setup Confirmed: Easting 127 4701		Units of Measure: Survey Feet
Time: 850 Northing 196377  Coordinate Datum Setup Confirmed: Easting 127 4701  End of Day  Time: 1548 Northing 196373  Coordinate Datum Setup Confirmed: Easting 127 4701	end of the channel side dock.	
Comments:  End of Day  Time: 1548 Northing 196373  Coordinate Datum Setup Confirmed: Heating 127 470)	Start of Day Time: 850	Northing 1963-77
Comments:  End of Day  Time: 1548 Northing 196373  Coordinate Datum Setup Confirmed: Heasting 127 479)	Coordinate Datum Setup Confirmed:	Easting 1274701
Time: 15 48 Northing 196373  Coordinate Datum Setup Confirmed:   Easting 127 479)		
Time: 15 48 Northing 196373  Coordinate Datum Setup Confirmed:   Easting 127 479)		
Coordinate Datum Setup Confirmed:   Easting 127 47 9	End of Day	
	Time: 15 48	Northing 196373
Comments:	Coordinate Datum Setup Confirmed:	Easting 127 4701
	Comments:	

Date: 3-17	
Project: Parimeter Monitoring	Recorder: 65 V
alculated Location of Reference Station	
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing196376
	Easting 1274699
	Units of Measure: Survey Feet
	and the state of t
8	n end of the South Park Marina at the
end of the channel side dock.  Start of Day	
end of the channel side dock.  Start of Day  Time: 8.33	Northing 196374
end of the channel side dock.  Start of Day	Northing 196374
end of the channel side dock.  Start of Day  Time: 8.33  Coordinate Datum Setup Confirmed:	Northing 196374
end of the channel side dock.  Start of Day  Time: 8.33  Coordinate Datum Setup Confirmed:   Comments:   End of Day	Northing 196374  Easting 1974700
end of the channel side dock.  Start of Day  Time: 833  Coordinate Datum Setup Confirmed: /  Comments:  End of Day  Time: 163	Northing 196374  Easting 1274700  Northing 196373
Coordinate Datum Setup Confirmed:	Northing 196374  Easting 1974700  Northing 196373

Date: 3-21-14	
Project: Porimetor Monitoring	Recorder: 65 /\
Calculated Location of Reference Station	
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing 196376
	Easting 1274699
	Units of Measure: Survey Feet
Reference Station Description: Piling at downstream end of the channel side dock.	end of the South Park Marina at the
Start of Day	
Time: 853	Northing 196376
Coordinate Datum Setup Confirmed:	Easting 12746 99
Comments:	
End of Day	
Time: 1640	Northing 196375
Coordinate Datum Setup Confirmed:	Northing 196375  Easting 1274799
Comments:	

Date: 3 - 24 14	
Project: Perinder Monitoring	Recorder: 65 M
Calculated Location of Reference Station	
	Coordinate Datum: WA State Plane, NAD 83
	Zone: North Zone
Reference Station Name: Check Point 1	Northing196376
	Easting 1274699
	Units of Measure: Survey Feet
Reference Station Description: Piling at downstream end of the channel side dock.	end of the South Park Marina at the
Start of Day	Northing 196375
Coordinate Datum Setup Confirmed:	
Comments:	
<u> </u>	
End of Day	
Time: 1609	Northing 196376
Coordinate Datum Setup Confirmed:	Easting 1274699
Comments:	